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From: Whiteman, Brian
Sent: Tuesday, March 21, 2006 9:41 AM
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Subject: seq search

09380203

SEQ ID NO: 1 and 2

1) us patents and published us patent application databases.

Thank you,

Brian Whiteman
Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

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Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 21:18:38 ; Search time 288 Seconds
(without alignments)
8900.152 Million cell updates/sec

Title: US-09-380-203-1
Perfect score: 1442
Sequence: 1 TTTTTCCTTTTTCAGATGGAG.....TTAACAAGCTTTAGACA 1442

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1442	100.0	1442	2	US-08-340-426D-120
3	1442	100.0	1442	2	US-08-450-673C-120
4	1442	100.0	1442	3	US-09-872-968-1
5	1442	100.0	1442	3	US-10-153-334-53
6	1223.4	84.8	1418	6	PCT-US95-17111A-120
7	1080.2	74.9	1381	2	US-08-454-557C-49
8	1080.2	74.9	1381	2	US-08-340-426D-49
9	1080.2	74.9	1381	2	US-08-450-673C-49
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c 30	484	33.6	25589	3	US-09-949-002-716	Sequence 716, App
c 31	482	33.4	44477	3	US-09-949-016-16767	Sequence 16767, A
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c 34	479.6	33.3	57936	3	US-09-949-016-16921	Sequence 16921, A
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c 36	479.2	33.2	92139	3	US-09-918-686-1	Sequence 1, Appli
c 37	478.8	33.2	19091	3	US-09-949-016-15805	Sequence 15805, A
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c 41	475.4	33.0	14796	3	US-08-975-080-35	Sequence 35, Appl
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c 44	475.4	33.0	14796	3	US-10-138-618-35	Sequence 35, Appl
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ALIGNMENTS

RESULT 1
US-08-454-557C-120
; Sequence 120, Application US/08454557C
; Patent No. 5830670
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,557C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/POCKET NUMBER: 0609.3840003
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139
US-08-454-557C-120

Query Match 100.0%; Score 1442; DB 2; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	TTTTTTTTTTTGGAGATGAGTTTTCGCTCTCTTGTGTCGCCAGGCTGGAGTGCATATGGCGCAA	60
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Db	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAGCGATTCTCCCTCAGCTCAGCTCCC	120
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Db	121	CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAAATTTGTAATTTTTTTTAG	180
Qy	181	TAGAGATGGAGTTTCTCATGTTGGTCAAGCTGGTCTCGAATCTCCGACCTCAGATGATC	240
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Qy	241	CCTCGCTCTCGGCTCCCAAGTGTAGATACAGACTGGCCACCATCGCGCTCTGCC	300
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Db	1441	CA 1442	

RESULT 2
US-08-340-426D-120
; Sequence 120, Application US/08340426D
; Patent No. 5948634
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,426D
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139

US-08-340-426D-120

Query Match 100.0%; Score 1442; DB 2; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1081 TCATTTAGAGGCGGGGTTTTCACATATTTTGTCAAGCTGCTCTCAAACTCCTGACCTCAGGT 1140

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DB 1441 CA 1442
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RESULT 3

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US-08-450-673C-120
; Sequence 120, Application US/08450673C
; Patent No. 5948888
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
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;	MOLECULE TYPE:	CDNA
;	FEATURE:	
;	NAME/KEY:	CDS
;	LOCATION:	15..1139
US-08-450-673C-120		
	Query Match	100.0%; Score 1442; DB 2; Length 1442;
	Best Local Similarity	100.0%; Pred. No. 0;
	Matches 1442; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
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Db	1	TTTTTTTTTTTGAGATGGAGTTTTCGCTCTGTGTTGCCCAGGCTGGAGTGAATGGCGCAA 60
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Qy	121	CAGTAGCTGGGATTACAGGCATGTGCACCCACGCTCGGCTAAATTTTGATTTTTTTTAG 180
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Qy	601	TTTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
Db	601	TTTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
Qy	661	GGCGCAATCTTGCGCTCAGTCGCAACCTCTGCGCTCCGGGTTCGAAGTTATTCTCTGCCCA 720
Db	661	GGCGCAATCTTGCGCTCAGTCGCAACCTCTGCGCTCCGGGTTCGAAGTTATTCTCTGCCCA 720
Qy	721	GGCTCCTGAGTAGCTGGGACTACAGGCGCCACCGACCTAGCTAAATTTTGTATTTT 780
Db	721	GGCTCCTGAGTAGCTGGGACTACAGGCGCCACCGACCTAGCTAAATTTTGTATTTT 780
Qy	781	TAGTAGAGATGGGTTCCACATGTCGCGAGGTTGATCTTGATCTCTGACCTTTGTGATC 840
Db	781	TAGTAGAGATGGGTTCCACATGTCGCGAGGTTGATCTTGATCTCTGACCTTTGTGATC 840
Qy	841	TGCGCTGCCTCGGCCTCCCAAAGTGTGGGATTACAGGCGTGAAGCCACCGCCCGGCTTA 900
Db	841	TGCGCTGCCTCGGCCTCCCAAAGTGTGGGATTACAGGCGTGAAGCCACCGCCCGGCTTA 900
Qy	901	TTTTTAATTTTGTGTTTGAATCTCACTCTGTTTACCAAGCTGGAGTGCAT 960
Db	901	TTTTTAATTTTGTGTTTGAATCTCACTCTGTTTACCAAGCTGGAGTGCAT 960

Qy	961	GGCCAAATCTCGGCTCACTGCAACCTTCTGCCTCCCGGGCTCAAGCGATTCTCTGTCTCA	1021
Db	961	GGCCAAATCTCGGCTCACTGCAACCTTCTGCCTCCCGGGCTCAAGCGATTCTCTGTCTCA	1020
Qy	1021	GCCTCCCAAGCAGCTGGGATTACGGGCACCTGCACACACCCCGCTAAATTTTGTATTT	1080
Db	1021	GCCTCCCAAGCAGCTGGGATTACGGGCACCTGCACACACCCCGCTAAATTTTGTATTT	1080
Qy	1081	TCATTAGAGCGGGGTTTCAACCATATTTGTCAAGCTGGTCTCAAACTCTCGACCTCAGGT	1140
Db	1081	TCATTAGAGCGGGGTTTCAACCATATTTGTCAAGCTGGTCTCAAACTCTCGACCTCAGGT	1140
Qy	1141	GACCCAGCTGCTCAGCCTTCCAAGTCTGGGATTTACAGGCTGAGCCACCTCACCCAG	1200
Db	1141	GACCCAGCTGCTCAGCCTTCCAAGTCTGGGATTTACAGGCTGAGCCACCTCACCCAG	1200
Qy	1201	CCGCTAAATTTAGATMAAAAAATATGTAGCAATGGGGGCTTTGCTATGTTGCCAGGCT	1260
Db	1201	CCGCTAAATTTAGATMAAAAAATATGTAGCAATGGGGGCTTTGCTATGTTGCCAGGCT	1260
Qy	1261	GGTCTCAAACTTCTGGCTTCATGCAATCCCTTCCAATAGAGCCACACCCAGCCAGTCA	1320
Db	1261	GGTCTCAAACTTCTGGCTTCATGCAATCCCTTCCAATAGAGCCACACCCAGCCAGTCA	1320
Qy	1321	CATTTTAAACAGTTACATCTTTATTTTAGTATACCTAGAAAGTAATACAATAAATGT	1380
Db	1321	CATTTTAAACAGTTACATCTTTATTTTAGTATACCTAGAAAGTAATACAATAAATGT	1380
Qy	1381	CAAACTGCAAAATTCAGTAGTAACAGAGTCTTTTATACTTTTAAACAAAGCTTTAGAG	1440
Db	1381	CAAACTGCAAAATTCAGTAGTAACAGAGTCTTTTATACTTTTAAACAAAGCTTTAGAG	1440
Qy	1441	CA 1442	
Db	1441	CA 1442	

RESULT 4

US-09-872-968-1

; Sequence 1, Application US/09872968

; Patent No. 6770797

; GENERAL INFORMATION:

; APPLICANT: Wanda, Jack R

; APPLICANT: de la Monte, Suzanne M

; TITLE OF INVENTION: Inhibition of Neurodegeneration

; FILE REFERENCE: 21486-047

; CURRENT APPLICATION NUMBER: US/09/872,968

; CURRENT FILING DATE: 2001-06-01

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 1442

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-872-968-1

	Query Match	100.0%	Score 1442;	DB 3;	Length 1442;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 1442;	Conservative	0;	Mismatches	0; Indels
					Gaps
					0
QY	1	TTTTTTTTTTGAGATGAGATTTTCGCTCTGTGTGCCCAGGCTGGAGTGCATGCGCAA	60		
DB	1	TTTTTTTTTTTGGATGAGATTTTCGCTCTGTGTGCCCAGGCTGGAGTGCATGCGCAA	60		
QY	61	TCTCAGCTCACGGCAACCTCCGCGCTCCGGGTTCAAGCGATTCCTCCTCGCTCAGCCTCCC	120		
DB	61	TCTCAGCTCACGGCAACCTCCGCGCTCCGGGTTCAAGCGATTCCTCCTCGCTCAGCCTCCC	120		
QY	121	CAGTAGCTGGGANTACAGGCATGTGCACCGCTCGCGCTAAATTTTGTATTTTTTTTAG	180		
DB	121	CAGTAGCTGGGANTACAGGCATGTGCACCGCTCGCGCTAAATTTTGTATTTTTTTTAG	180		

Qy	181	TAGAGATGAGATTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	181	TAGAGATGAGATTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Qy	241	CCTCCGTCTCGGCTCCCAAAGTGTAGATACAGGATGGCCACCATGCCCCGGCTCTGCC	300
Db	241	CCTCCGTCTCGGCTCCCAAAGTGTAGATACAGGATGGCCACCATGCCCCGGCTCTGCC	300
Qy	301	TGGCTAAATTTTGTGGTAGAAACAGGGTTCACTGATGTGCCAAAGCTGGTCTCTGAGC	360
Db	301	TGGCTAAATTTTGTGGTAGAAACAGGGTTCACTGATGTGCCAAAGCTGGTCTCTGAGC	360
Qy	361	TCAAGCAGTCCACCTGCTCAGCCTCCCAAAGTGTGGGATTAACAGGCGTGACGCGTGC	420
Db	361	TCAAGCAGTCCACCTGCTCAGCCTCCCAAAGTGTGGGATTAACAGGCGTGACGCGTGC	420
Qy	421	CTGGGCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCACAGGATGAAG	480
Db	421	CTGGGCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCACAGGATGAAG	480
Qy	481	TGCAGTGGTGTGATCACAGCTCACTGCAGCCTTCAACTCTGAGATCAAGCATCTCCTGT	540
Db	481	TGCAGTGGTGTGATCACAGCTCACTGCAGCCTTCAACTCTGAGATCAAGCATCTCCTGT	540
Qy	541	CCTCAGCCTCCCAAAGTAGCTGGGACAAAGACATGCACCACTACACCTGGCTAAATTTTA	600
Db	541	CCTCAGCCTCCCAAAGTAGCTGGGACAAAGACATGCACCACTACACCTGGCTAAATTTTA	600
Qy	601	TTTTTATTTTAAATTTTGTGACACAGTCTCAACTCTGTCAACAGGTGGAGTGCAGT	660
Db	601	TTTTTATTTTAAATTTTGTGACACAGTCTCAACTCTGTCAACAGGTGGAGTGCAGT	660
Qy	661	GGCGCAATCTTGGCTCACTGCACCACTCTGCCTCCCGGGTTCAAAGTTATTCTCTGCCCA	720
Db	661	GGCGCAATCTTGGCTCACTGCACCACTCTGCCTCCCGGGTTCAAAGTTATTCTCTGCCCA	720
Qy	721	GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACACCGCTAGCTAAATTTTTGTATTTT	780
Db	721	GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACACCGCTAGCTAAATTTTTGTATTTT	780
Qy	781	TAGTAGATGGGTTTACCATGTTGGCCAGGTTGATCTTGATCTCTGGAATCTTGATC	840
Db	781	TAGTAGATGGGTTTACCATGTTGGCCAGGTTGATCTTGATCTCTGGAATCTTGATC	840
Qy	841	TGCCTGCCTCCGCCCTCCCAAAGTGTGGGATTAACAGGCGTGAGCCACCAACCGCGCTTA	900
Db	841	TGCCTGCCTCCGCCCTCCCAAAGTGTGGGATTAACAGGCGTGAGCCACCAACCGCGCTTA	900
Qy	901	TTTTTAAATTTTGTGTTGTTGAAATGGAATCTCACTCTGTTTACCAGGCTGGAGTCAAT	960
Db	901	TTTTTAAATTTTGTGTTGTTGAAATGGAATCTCACTCTGTTTACCAGGCTGGAGTCAAT	960
Qy	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCCTCCCGGGCTCAAGGATCTCTGTCTCA	1020
Db	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCCTCCCGGGCTCAAGGATCTCTGTCTCA	1020
Qy	1021	GCCTCCCAAGCAGCTGGGATTTACGGGACCTGCCACCAACCCCGCTAAATTTTGTATTT	1080
Db	1021	GCCTCCCAAGCAGCTGGGATTTACGGGACCTGCCACCAACCCCGCTAAATTTTGTATTT	1080
Qy	1081	TCATTTAGAGCGGGTTTTCACATATTTGTGAGGCTGTCTCAAACTCCTGACCTCAGGT	1140
Db	1081	TCATTTAGAGCGGGTTTTCACATATTTGTGAGGCTGTCTCAAACTCCTGACCTCAGGT	1140
Qy	1141	GACCGACTGTCTCAGCCTTCCAAAGTGTCTGGGATTAACAGGCGTGAGCCACTCACCCAG	1200
Db	1141	GACCGACTGTCTCAGCCTTCCAAAGTGTCTGGGATTAACAGGCGTGAGCCACTCACCCAG	1200
Qy	1201	CCGCTCAATTTAGATAAAAAATATGTAGCAATGGGGGCTCTGCTATGTTGCCAGGCT	1260
Db	1201	CCGCTCAATTTAGATAAAAAATATGTAGCAATGGGGGCTCTGCTATGTTGCCAGGCT	1260
Qy	1261	GGTCTCAAACTCTCTGGCTTCAATGCAATCTCTTCCAAATGAGGCCACCAACCGCAGCTCA	1320

Db	1261	GGTCTCAAACTTCTGGCTTCATGCAATCCCTTCCAATGAGCCACACACCAGCCAGTCA	1320
Qy	1321	CATTTTTTAAACAGTTACATCTTTATTTTAGTATATCTAGAAAGTAATACAATAAACATGT	1380
Db	1321	CATTTTTTAAACAGTTACATCTTTATTTTAGTATATCTAGAAAGTAATACAATAAACATGT	1380
Qy	1381	CAAACTGCGAAATTCAGTACTACAGAGTCTTTTATTAACCTTTTAAACAAGCTTTTAGAG	1440
Db	1381	CAAACTGCGAAATTCAGTACTACAGAGTCTTTTATTAACCTTTTAAACAAGCTTTTAGAG	1440
Qy	1441	CA 1442	
Db	1441	CA 1442	

RESULT 5
 US-10-153-334-53
 ; Sequence 53, Application US/101533334
 ; Patent No. 6924266
 ; GENERAL INFORMATION:
 ; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
 ; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 59003-000006
 ; CURRENT APPLICATION NUMBER: US/10/153,334
 ; CURRENT FILING DATE: 2002-05-24
 ; PRIOR APPLICATION NUMBER: 60/293,156
 ; PRIOR FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 53
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 53
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15) .. (1139)
 US-10-153-334-53

Query Match	100.0.0%;	Score 1442;	DB 3;	Length 1442;
Best Local Similarity	100.0.0%;	Pred. No. 0;		
Matches 1442;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy 1	TTTTTTTTTTTGAGATGGAGTTTTCCGCTCTGTGTGCCAGGCTGGAGTCGAATGGCGCAA	60		
Db 1	TTTTTTTTTTTGAGATGGAGTTTTCCGCTCTGTGTGCCAGGCTGGAGTCGAATGGCGCAA	60		
Qy 61	TCTCAGCTCACCGCAACCTCGGCTCCGGGGTTCAAGCGATTCTCTGCTCTCAGCCTCCC	120		
Db 61	TCTCAGCTCACCGCAACCTCGGCTCCGGGGTTCAAGCGATTCTCTGCTCTCAGCCTCCC	120		
Qy 121	CAGTAGCTGGGATTA CAGGCAATGTGACCCAGCTCGGCTAAATTTGTATTTTTTTTTTAG	180		
Db 121	CAGTAGCTGGGATTA CAGGCAATGTGACCCAGCTCGGCTAAATTTGTATTTTTTTTTTAG	180		
Qy 181	TAGAGATGGAGTTTCTCCATGTGTGGTCAGGCTGGTCTCGAACTCCGACCTCAGATGATC	240		
Db 181	TAGAGATGGAGTTTCTCCATGTGTGGTCAGGCTGGTCTCGAACTCCGACCTCAGATGATC	240		
Qy 241	CTTCGGTCTCGGCTCCCAAAGTGTAGATACAGAGCTGGCCACCAATGGCCCGGCTCTGCC	300		
Db 241	CTTCGGTCTCGGCTCCCAAAGTGTAGATACAGAGCTGGCCACCAATGGCCCGGCTCTGCC	300		
Qy 301	TGGCTAAATTTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCTGAGC	360		
Db 301	TGGCTAAATTTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCTGAGC	360		
Qy 361	TCAAGCAGTCCACCTGCCTCAGCTCCCAAAGTGTGGGATTTACAGGCGTGCAGCGGTGC	420		
Db 361	TCAAGCAGTCCACCTGCCTCAGCTCCCAAAGTGTGGGATTTACAGGCGTGCAGCGGTGC	420		

421 CTGGCCCTTTTATTTATTTTAAAGACACAGGTTGCCACTCTTTACCCAGGATGAAG 480
421 CTGGCCCTTTTATTTATTTTAAAGACACAGGTTGCCACTCTTTACCCAGGATGAAG 480
481 TGCAGTGGTGTGATCAGAGCTCACTGAGGCTTCAACTCTGAGATCAAGCATCTCCTG 540
481 TGCAGTGGTGTGATCAGAGCTCACTGAGGCTTCAACTCTGAGATCAAGCATCTCCTG 540
541 CCTCAGCTCCCAAGTACCTGGGACCAAGACATGACCACTACACCTGGCTAATTTTAA 600
541 CCTCAGCTCCCAAGTACCTGGGACCAAGACATGACCACTACACCTGGCTAATTTTAA 600
601 TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
601 TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
661 GGCCCAATCTGGCTCACTGCAACTCTGCTCCCGGTTCAAGTTATCTCTGCCCA 720
661 GGCCCAATCTGGCTCACTGCAACTCTGCTCCCGGTTCAAGTTATCTCTGCCCA 720
721 GCCTCTGAGTACCTGGGACTACAGGCGCCCAACACGCTAGCTAATTTTGTATTTT 780
721 GCCTCTGAGTACCTGGGACTACAGGCGCCCAACACGCTAGCTAATTTTGTATTTT 780
781 TAGTAGAGAGGGGTTTCACTATGTCGCGAGTTGATCTCTGAGCTTTGTATC 840
781 TAGTAGAGAGGGGTTTCACTATGTCGCGAGTTGATCTCTGAGCTTTGTATC 840
841 TGCCTGCTCGGCTCCCAAGTGTGGGATACAGGCGTGAGCCACACCGCGGCTTA 900
841 TGCCTGCTCGGCTCCCAAGTGTGGGATACAGGCGTGAGCCACACCGCGGCTTA 900
901 TTTTATTTTGTGTTTGAATGGAACTCTCACTCTGTTACCCAGGCTGGAGTGAAT 960
901 TTTTATTTTGTGTTTGAATGGAACTCTCACTCTGTTACCCAGGCTGGAGTGAAT 960
961 GGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGGATCTCTGTCTCA 1020
961 GGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGGATCTCTGTCTCA 1020
1021 GCCTCCCAAGCAGCTGGGATACGGGACCTGCGCACCAACCCGCTAATTTTGTATTT 1080
1021 GCCTCCCAAGCAGCTGGGATACGGGACCTGCGCACCAACCCGCTAATTTTGTATTT 1080
1081 TCATTAGAGGCGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
1081 TCATTAGAGGCGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
1141 GACCACTGCTCAGCTTCAAAAGTGTGGGATACAGGCGTGAGCCACCTCACCAG 1200
1141 GACCACTGCTCAGCTTCAAAAGTGTGGGATACAGGCGTGAGCCACCTCACCAG 1200
1201 CCGGCTAATTTAGATAAAATATGTAGCAATGGGGGTCTGCTATGTTGCCAGGCT 1260
1201 CCGGCTAATTTAGATAAAATATGTAGCAATGGGGGTCTGCTATGTTGCCAGGCT 1260
1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCAGTCA 1320
1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCAGTCA 1320
1321 CATTTTAAACAGTTTACATCTTTATTTTGTATATCTAGAAAGTAAATACAAATGAT 1380
1321 CATTTTAAACAGTTTACATCTTTATTTTGTATATCTAGAAAGTAAATACAAATGAT 1380
1381 CAAACCTGCAATTCAGTAGTACAGAGTTCTTTTATACCTTTTAAACAAAGCTTAGAG 1440
1381 CAAACCTGCAATTCAGTAGTAAACAGAGTTCTTTTATACCTTTTAAACAAAGCTTAGAG 1440
1441 CA 1442
1441 CA 1442

RESULT 6
PCT-US95-17111A-120
; Sequence 120, Application PC/TUS9517111A
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
; TITLE OF INVENTION: Detection of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 14...1418
PCT-US95-17111A-120
Query Match 84.8%; Score 1223.4; DB 6; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;
QY 2 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTGTGCTCCAGGCTGGAGTGCATGGCGCAAT 61
Db 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTGTGCTCCAGGCTGGAGTGCATGGCGCAAT 60
QY 62 CTCAGCTCACCGCAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCTCCGCC 121
Db 61 CTCAGCTCACCGCAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCTCCGCC 120
QY 122 AGTA-GCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAATTTGTAATTTTGTAG 180
Db 121 AGTAGGCTGGGATTACAGGCATGTGCA-CCAGCTCGGCTAATTTGTAATTTTGTAG 179
QY 181 TAGAGATGGAGTTTCTCAATGTTGCTAGGCTGGTCTCGAACTCCGACCTCAGATGATC 240
Db 180 TAGAGATGGAGTTTCTCAATGTTGCTAGGCTGGTCTCGAACT-CCGACCTCAGATGATC 238
QY 241 CCTCGCTCTCGGCTCCCAAGTGTAGATACAGGCTGGCCACCATGCCCCG-CTCTGC 299
Db 239 CTCCGCTCTCGGCTCCCAAGTGTAGATACAGGCTGGCCACCATGCCCCGCTCTGC 298
QY 300 CTGGCTAATTTTGTGGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAG 359
Db 299 CTGGCTAATTTTGTGGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAG 358

415 CCGTGCCTGGCCCTTTTATTTATTTTAAAGACACAGGTGTCCTTACCCAGG 474
419 CCGTGCCTGGCCCTTTTATTTATTTTAAAGACACAGGTGTCCTTACCCAGG 478
475 ATGAAGTGCAGTGTGTGATCAGAGCTCACTGAGCCTTCAACCTCTGAGATCAAG-AT 533
479 ATGAAGTGCAGTGTGTGATCAGAGCTCACTGAGCCTTCAACCTCTGAGATCAAGCAAT 538
534 CCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACCTGCTGCTA 593
539 CCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACCTGCTGCTG-TA 597
594 ATTTTATTTTATTTTATTTTAAATTTTGGAGCAGAGTCTCAACTCTGTCAACCGAGCTGA 653
598 ATTTTATTTTATTTTATTTTAAATTTTGGAGCAGAGTCTC-ACTGTCAACCGAGCTGA 656
654 GTGAGTGGGCGCAATCTTGGCTCACTGGAACCTCTGCTCCCGGTTCAAGTTATTTCTCC 713
657 GTGAGTGGGCGCAATCTTGGCTCACTGGAACCTCTGCTCCCGGTTCAAGTTATTTCTCC 716
714 TGCCCCAGCCTCTCTGAGTGTGGGACTACAGGCGCCACCACTAGCTAGTAAATTTTTTT 773
717 TGCCCCAGCCTCTCTGAGTGTGGGACTACAGGCGCCACCACTAGCTAGTAAATTTTTTT 776
774 GTATTTTGTAGTAGAGTGGG--TTACCAATGTTCCGAGGTTGATCTTTGATCTCTGAGCC 832
777 GTATTTTGTAGTAGAGTGGGTTTCAACATGTTCCGAGGTTGATCTTTGATCTCTGAGCC 836
833 TTGTGATCTGCTGCTGGCT--CCGAAAGTGTGGGATTAACAGGCTGAGCCACCAAG 891
837 TTGTGATCTGCTGCTGGCTCCCAAGTGTGGGATTAACAG--GTGCTGACTCCAC 894
892 CCGGCTTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTACCCAGGCTG 951
895 CCGGCTTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTACCCAGGCTG 954
952 GAGTGCAATGGCCAAATCTGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTC 1011
955 GAGTGCAATGG-CAATCTGGCTACTCGCAACCTCTGCTCCCGG-TCAAGCGATTC 1012
1012 CCGTCTCAGCTCCCAAGCAGCTGGGATTAAGGACCTGCGCCACCAACCCCGCTAAT 1071
1013 CCGTCTCAGCTCCCAAGCAGCTGGGATTAAGG--ACCTGCAACCAACCCCGCTAAT 1070
1072 TTGTGATTTTCAATAGAGCGGGTTTCAACATATTTGTCAAGCTT-GGTCTCAAACTCCT 1130
1071 TTGTGATTTTCAATAGAGCGGG--TTTACCAATTTGTCAAGCTTGGGTCTCAAACTCCT 1128
1131 GACCTCAGGTGACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTAACAGGCTGAGCCA 1190
1129 GACCTCAGGTGACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTAACAGGCTGAGCCA 1188
1191 CCGTCCAGCGGCTAATTTAGATTAATAAATATGAGCAATGGGGTCTTGTATGT 1250
1189 CCGTCCAGCGGCTAATTTTGAATAAATAATATGAGCAATGGGG--TCTGTATGT 1246
1251 TGCCAGGCTGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCACCAACC 1310
1247 TGCCAGGCTGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCACCAACC 1306
1311 CAGCCAGTCACATTTTAAACAGTTACATCTTTATTTTATTTTATTTTAAAGATTAACA 1370
1307 CAGCCAGTCACATTTTAAACAGTTACATCTTTATTTTATTTTATTTTAAAGATTAACA 1366
1371 ATAAACATGTCAAC 1385
1367 ATAAACATGTCAAC 1381

RESULT 8
US-08-340-426D-49
; Sequence 49, Application US/08340426D

; Patent No. 5948634
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/340,426D
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1381 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; US-08-340-426D-49

Query Match 74.9%; Score 1080.2; DB 2; Length 1381;
Best Local Similarity 94.4%; Pred. No. 3.9e-291;
Matches 1317; Conservative 0; Mismatches 53; Indels 25; Gaps 18;
Qy 2 TTTTATTTTTCAGATGGAGTTTTCGCTCTTGTGCCAGGCTGGAGTGCATGGCGCAAT 61
Db 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTTGTGCCAGGCTGGAGTGCATGGCGCAAT 60
Qy 62 CTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCCTCGCTCAGCTCCCC 121
Db 61 CTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCCTCGCTCAGCTCCCC 120
Qy 122 AGTAGCTGGGATTAAGGATGTCACCCAGCTCGGCTAATTTTGTATTTTATTTTAT 181
Db 121 AGTAGCTGGGATTAAGGATGTCACCCAGCTCGGCTAATTTTGTATTTTATTTTAT 179
Qy 182 AGAGATGGAGTTT--CTCCATGTTGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Db 180 AGAGATGGAGTTTAACTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Qy 240 CCGTCCGCTCTCGGCTCCCAAGTGTCT--AGATACAGGACTGGCCACCATGCCGG-CT 295
Db 240 CTCCCGTCTCGGCTCGCCCAAGTGTCTGAGATTAACAGGATGAGCCACCATGCCGGCT 299
Qy 296 CTGCTGTGCTAATTTTGTGTAGAAACAGGGTTTCACTGATG-TGCCCAAGCTGGTCTC 354
Db 300 CTGCTGTGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTTGCCCAAGCTGGTCTC 359
Qy 355 CTGAGCTCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTCTGGGATTAACAGGCTGGCAG 414
Db 360 CTGAGCTCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTCTGGGATTAACAGGCT-CA 418
Qy 415 CCGTGCCTGGCCCTTTTATTTTATTTTATTTTATTTTAAAGACACAGGTGTCCTTACCCAGG 474
Db 419 CCGTGCCTGGCCCTTTTATTTTATTTTATTTTATTTTAAAGACACAGGTGTCCTTACCCAGG 478

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QY 475 ATGAAGTGCAGTGGTGTGATCAGAGCTCATGCGAGCTTCAACTCTCTGAGATCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTGATCAGAGCTCATGCGAGCTTCAACTCTCTGAGATCAAGCAAT 538
QY 534 CTTCTCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACAGCTCGCTA 593
Db 539 CTTCTCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACAGCTCG-TA 597
QY 594 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 653
Db 598 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 656
QY 654 GTGAGTGGGCAATCTTGCTCAGTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 713
Db 657 GTGAGTGGGCAATCTTGCTCAGTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 716
QY 714 TGCCCCAGCCTCTGAGTAGCTGGGACTACAGCGCCCAACAGCGCTAGCTAATTTTTTT 773
Db 717 TGCCCCAGCCTCTGAGTAGCTGGGACTACAGCGCCCAACAGCGCTAGCTAATTTTTTT 776
QY 774 GTATTTTATGATAGATGGG-TTCACCATGTTGCGCAGGTTGATCTTGATCTCTGAGCC 832
Db 777 GTATTTTATGATAGATGGGTTTACCATGTTGCGCAGGTTGATCTTGATCTCTGAGCC 836
QY 833 TTGTGATCTGCTGCTCGGCT-CCCAAGTGTCTGGGATTAAGCGGTGAGCCACG 891
Db 837 TTGTGATCTGCTGCTCGGCTTACCAAGTGTCTGGGATTAAG-GTGCTGACTCCAC 894
QY 892 CCGCGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 951
Db 895 CCGCGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 954
QY 952 GAGTGCATGGGCAATCTCGGCTCAGTCAACCTCTGCTCCCGGGCTCAAGCGATTCT 1011
Db 955 GAGTGCATGG-CAATCTCGGCTACTCGCACTCTGCTCCCGGG-TCAAGCGATTCT 1012
QY 1012 CTTGTCTAGCTCCCAAGCAGCTGGGATTAAGCGGCACTGCGCAACACACCCCGCTAAT 1071
Db 1013 CTTGTCTAGCTCCCAAGCAGCTGGGATTAAGCGG-ACCTGCACACACACCCCGCTAAT 1070
QY 1072 TTGTGATTTTATTTAGAGCGGGTTTACCATATTTGTCAGGCT-GGTCTCAAACTCT 1130
Db 1071 TTGTGATTTTATTTAGAGCGGG--TTTACCATATTTGTCAGGCTGGGGTCTCAAACTCT 1128
QY 1131 GACCTCAGTGCACCACTGCTCAGCTTCCAAAGTGTGGGATTAAGGGGTGAGCA 1190
Db 1129 GACCTCAGTGCACCACTGCTCAGCTTCCAAAGTGTGGGATTAAGGGGTGAGCA 1188
QY 1191 CCTCACCAGCGGCTAATTTAGATAAATAATGTAAGCAATGGGGGTCTTGCTATGT 1250
Db 1189 CCTCACCAGCGGCTAATTTGGAATAAATAATGTAAGCAATGGGGGTCTTGCTATGT 1246
QY 1251 TGCCAGGCTGGTCTCAAACTCTGGCTCATGCAATCTTCCAATGAGCCACACACC 1310
Db 1247 TGCCAGGCTGGTCTCAAACTCTGGCTCATGCAATCTTCCAATGAGCCACACACC 1306
QY 1311 CAGCAGTCAATTTTTTAAACAGTTACATCTTTATTTTATTTAGTATAGTAAGTAATACA 1370
Db 1307 CAGCAGTCAATTTTTTAAACAGTTACATCTTTATTTTATTTAGTATAGTAAGTAATACA 1366
QY 1371 ATAAACATGTCAAC 1385
Db 1367 ATAAACATGTCAAC 1381

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RESULT 9
 US-08-450-673C-49
 ; Sequence 49, Application US/08450673C
 ; Patent No. 594888
 ; GENERAL INFORMATION:
 ; APPLICANT: de la Monte, Suzanne
 ; APPLICANT: Wands, Jack R.

```

; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1381 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; US-08-450-673C-49

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Query Match      74.9%; Score 1080.2; DB 2; Length 1381;
Best Local Similarity 94.4%; Pred. No. 3.9e-291;
Matches 1317; Conservative 0; Mismatches 53; Indels 25; Gaps 18;

QY 2 TTTT TTTT TTTT CAGATGGAGTTTTCGCTCTCTGTCGCCAGGCTGGAGTGCATGGCGCAAT 61
Db 1 TTTT TTTT TTTT CAGATGGAGTTTTCGCTCTCTGTCGCCAGGCTGGAGTGCATGGCGCAAT 60
QY 62 CTCAGCTCACCGCAACCTCCGCTCCGGGTTCAAGCGATTCTCCTGCTCAGCCTCCGCC 121
Db 61 CTCAGCTCACCGCAACCTCCGCTCCGGGTTCAAGCGATTCTCCTGCTCAGCCTCCGCC 120
QY 122 AGTAGCTGGGATTAAGGCAATGTCACCCAGCTCGGCTAATTTTGTATTTTATTTTATTT 181
Db 121 AGTAGCTGGGATTAAGGCAATGTCACCCAGCTCGGCTAATTTTGTATTTTATTTTATTT 179
QY 182 AGAGATGGAGTTT--CTCCATGTTGGTCAGGCTCGTCTCGAACTCCCGACCTCAGATGAT 239
Db 180 AGAGATGGAGTTTAACTCCATGTTGGTCAGGCTCGTCTCGAACTCCCGACCTCAGATGAT 239
QY 240 CCCTCCGCTCTCGGCTCCCAAGTGTCT--AGATACAGGACTGGCCACCATGCCGG-CT 295
Db 240 CTCCGCTCTCGGCTCCCAAGTGTCTGAGATTACAGGATGAGCCACCATGCCGGCT 299
QY 296 CTGCTGGCTAATTTTGTGTGATAGAAACAGGGTTTCACTGATG-TGCCAAAGCTGGTCTC 354
Db 300 CTGCTGGCTAATTTTGTGTGATAGAAACAGGGTTTCACTGATGTTGCCAAAGCTGGTCTC 359
QY 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGCAG 414
Db 360 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGT-CAG 418
QY 415 CCGTCCCTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 474
Db 419 CCGTCCCTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 478
QY 475 ATGAAGTGCAGTGGTGTGATCAGAGCTCAGTCACTGAGCCTTCAACTCTCTGAGATCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTGATCAGAGCTCAGTCACTGAGCCTTCAACTCTCTGAGATCAAGCAAT 538

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Qy 534 CCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACTGCTGCTA 593
Db 539 CCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACTGCTGCTA 597
Qy 594 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 653
Db 598 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 656
Qy 654 GTGCAGTGGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTTATTTCTCC 713
Db 657 GTGCAGTGGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTTATTTCTCC 716
Qy 714 TGCCCCAGCCTCTCTGAGTAGCTGGGACTACAGGCGCCCAACACACCCCTAGCTAAATTTT 773
Db 717 TGCCCCAGCCTCTCTGAGTAGCTGGGACTACAGGCGCCCAACACACCCCTAGCTAAATTTT 776
Qy 774 GTATTTTATGATAGAGTGGG-TTCACCATGTTGCCAGGTTGATCTTGATCTCTTGACC 832
Db 777 GTATTTTATGATAGAGTGGGTTTTCACCATGTTGCCAGGTTGATCTTGATCTCTTGACC 836
Qy 833 TTGTGATCTGCTGCTCGGCT-CCCAAAGTGTGGGATACAGGCGTGAGCCACCAAG 891
Db 837 TTGTGATCTGCTGCTCGGCTACCCCAAAGTGTGGGATACAG--GTGCTGACTCCAC 894
Qy 892 CCCGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTATACCCAGGCTG 951
Db 895 GCGGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTATACCCAGGCTG 954
Qy 952 GAGTGAATGCGCAATCTCGGCTCACTGCAACTCTGCTCCCGGGCTCAAGGATCT 1011
Db 955 GAGTGAATGCG-CAAAATCTCGGCTACTCGCAACTCTGCTCCCGGG-TCAAGGATCT 1012
Qy 1012 CTTGCTCAGCTCCCAAGCAGCTGGGATACGGGCACTGCGCACCAACCCCGCTAAT 1071
Db 1013 CTTGCTCAGCTCCCAAGCAGCTGGGATACGGG--ACCTGCAACCAACCCCGCTAAT 1070
Qy 1072 TTTGATTTTCAATAGAGCGGGTTTCAACATATTTGTCAAGCT-GGTCTCAAACTCCT 1130
Db 1071 TTTGATTTTCAATAGAGCGGG--TTTACCATATTTGTCAAGCTGGGCTCAAACTCCT 1128
Qy 1131 GACCTCAGTGACCACTGCTCAGCTTCCAAAGTCTGGGATACAGGCTGAGCCA 1190
Db 1129 GACCTCAGTGACCACTGCTCAGCTTCCAAAGTCTGGGATACAGGCTGAGCCA 1188
Qy 1191 CCTCACCAGCGGCTAAATTTAGATAAAATAATGTAGCAATGGGGGTCTTGCTATGT 1250
Db 1189 CCTCACCAGCGGCTAAATTTGGAATAAAATAATGTAGCAATGGGG--TCTGCTATGT 1246
Qy 1251 TGCCAGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACC 1310
Db 1247 TGCCAGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACC 1306
Qy 1311 CAGCAGTCAATTTTAAACAGTTAGATCTTTTATTTATTTAGTATAGAAAGTAAACA 1370
Db 1307 CAGCAGTCAATTTTAAACAGTTAGATCTTTTATTTATTTAGTATAGAAAGTAAACA 1366
Qy 1371 ATAAACATGTCAAAC 1385
Db 1367 ATAAACATGTCAAAC 1381

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RESULT 10
; Sequence 49, Application PC/TUS9517111A
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
; TITLE OF INVENTION: Detection of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.

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; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609,3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1381 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; PCT-US95-17111A-49

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Query Match 74.9%; Score 1080.2; DB 6; Length 1381;
Best Local Similarity 94.4%; Pred. No. 3.9e-291;
Matches 1317; Conservative 0; Mismatches 53; Indels 25; Gaps 18;

Qy 2 TTTTATTTTTCAGATGAGTTTTCGCTCTTGTTCGCCAGGCTGAGTGCATGCGCAAT 61
Db 1 TTTTATTTTTCAGATGAGTTTTCGCTCTTGTTCGCCAGGCTGAGTGCATGCGCAAT 60
Qy 62 CTCAAGCTCACGCAACCTCCGCTCCGCGGTTCAAGCGATTTCTCTGCTCAGCTCCTCC 121
Db 61 CTCAAGCTCACGCAACCTCCGCTCCGCGGTTCAAGCGATTTCTCTGCTCAGCTCCTCC 120
Qy 122 AGTAGCTGGGATACAGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTATTTAGT 181
Db 121 AGTAGCTGGGATACAGCATGTGCA-CCAGCTCGGCTAATTTTGTATTTTATTTAGT 179
Qy 182 AGAGATGGAGTTT--CTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Db 180 AGAGATGGAGTTTAACTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Qy 240 CCCTCCGCTCTCGGCTCCCAAAGTGTCT--AGATACAGGACTGGCCACCATGCCCCGG-CT 295
Db 240 CTCCCGTCTCGGCTGCCCCAAAGTGTCTGAGATTACAGGCATGAGCCACCATGCCCCGGCT 299
Qy 296 CTGCTGCTGCTAATTTTGTGTAGAAACAGAGTTTCACTGATG-TGCCCAAGCTGCTCTC 354
Db 300 CTGCTGCTGCTAATTTTGTGTAGAAACAGAGTTTCACTGATGTTTGCACCAAGCTGCTCTC 359
Qy 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAAGTGTGGGATTTACAGGCGTGCAG 414
Db 360 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCTCCCAAAGTGTGGGATTTACAGGCGT-CAG 418
Qy 415 CCGTGCCTGGGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGTCCCACTCTTACCAGG 474
Db 419 CCGTGCCTGGGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGTACCACCTCTTACCAGG 478
Qy 475 ATGAAGTGCAGTGGTGTGATACAGCTCACTGACGCTTCACTCTGAGTCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTGATACAGCTCACTGACGCTTCACTCTGAGTCAAGC-AT 538
Qy 534 CCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACTGCTGCTA 593

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Db 31889 AGCCACTGTGCTGGCTGCCAATTTTTTTTTTTTTTTTTTTTTTTTGGAGACAAAGTCTCGCT 31830
 Qy 939 GTTACCCAGGCTGAGTGCATGGCAATCTCGCTCACTGCACCACTCTGCCTCCCGGG 998
 Db 31829 CTTTCCAGGCTGAGTGGAAATGGCACCACTCGCTCACTGCACCACTCTGCCTTTCCGGG 31770
 Qy 999 CTCAAGCGATTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTAAGGGCACTCGCCACCA 1058
 Db 31769 TTCAAGCGATTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTAAGGGCACTCGCCACCA 31710
 Qy 1059 CACCCGCTAATTTTTGTATTTTCAATAGAGCGGGGTTTCAACATATTTGTCAAGCTGG 1118
 Db 31709 CGCCGGCTAATTTTTGTATTTTGTAGTAGACAGATTTTCAACATGTTGGCCAGACTGG 31650
 Qy 1119 TCTCAAACTCTGACCTCAGTGCACCACTGCTCAGCTTCCAAAGTGTGGGATTTAC 1178
 Db 31649 TCTTGAATCTCTAATTCAGTGTATCCACCGGCTCTGCCTCCCAAAAGTGTGGGATTTAC 31590
 Qy 1179 AGGCTGAGCCACCTCACCCAGCC---GGCTAATTTAGATAAAAAATATGTAGCAATG 1234
 Db 31589 AGGCATGAGCCACCACTCGCTCTGCCCAACTAATTAATAAAAAAATTTTGTAGAGA 31530
 Qy 1235 GGGGCTCTGTATGTTGCCAGGCTGTCTCAAACTTCTGGCTTCATGCAATCTTCCA 1294
 Db 31529 CAGGATCTCACTATGTTGCCAGACTGCTCTTGAACTCTCGGCTTAAGGGATGCTCCTG 31470
 Qy 1295 AATGAGCCAC 1304
 Db 31469 TCTCAGCCTC 31460

RESULT 12
 US-09-949-016-17317/c
 ; Sequence 17317, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 17317
 ; LENGTH: 42693
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-09-949-016-17317

Query Match 40.9%; Score 590.4; DB 3; Length 42693;
 Best Local Similarity 70.8%; Pred. No. 6.e-154;
 Matches 941; Conservative 0; Mismatches 346; Indels 43; Gaps 10;
 Qy 4 TTTTGTGTGAGATGAGTTTTCGCTCTGTGTCGCCAGGCTGAGTGCAATGGCGCAATCT 63
 Db 42133 TTTTGTGTGAGATGAGTTTTCGCTCTGTGTCGCCAGGCTGAGTGCAATGGCGCAATCT 42075
 Qy 64 CAGCTCACCGCAACCTCCGCTCCGCGGTTCAAGCGATTCTCCTGCCTCAGCTCCCGAG 123
 Db 42074 CAGCTCACCGCAACCTCCGCTCCCGGTTCAAGCGATTCTCCTACCTCAGCTCCCGAG 42015
 Qy 124 TAGCTGGGATTAAGCATGTGACCGCAGCTGGGTAATTTTGTATTTTGTATTTTGTAGTAG 183
 Db 42014 TAGCTGGGATTAAGCATGTGACCGCAGCTGGGTAATTTTGTATTTTGTATTTTGTATTTT 41959
 Qy 184 AGATGGAGTTTCTCCATGTTGCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATCCT 243

Db 41958 AGACGGGTTTCTCCATGTTGGTCAGTGGTCTTGAACCCCGACCTCAGATGATCCGC 41899
 Qy 244 CGGTCTCGGCTCCCAAGTGTAGATACAGGACTGCCACCACTGCCGCTCTGCTCGG 303
 Db 41898 CCACCTTGGCTCCCAAGTGTCT-GGGATTTACAGGTTGAGTTTTCACAGAAAAATTTA 41840
 Qy 304 CTAAATTTTGTGTAGAAAACAGGGTTTCACTGTGTGCCCAAGTGTGTCTCTCAGCTCA 363
 Db 41839 AGTATGAAGAGTATCCTCGGAATATGACAGGCCCTCCAAACCCAGCCTCTGAGACTC 41780
 Qy 364 AGCAGTCCACCTGCTCAGCTCCCAAAAGTGTGGGATTTACAGGCGTGCAGCCGTGCTG 423
 Db 41779 TTTCACTTGTCTGGCTGGGCCACCACTCAGCTCCCACTAAACCTGGGCTGTCTCTT 41720
 Qy 424 GCC-----TTTTTAATTTTATTTTTTTTTTAAAGACACAGGTGTCCCACTC 465
 Db 41719 CCCCCCTCCATCCCTGCTTTTTTTTTTTTTTTTTTTTTTTTGTAGACAGAGTCTTGTGTTG 41660
 Qy 466 TTACCCAGGATGAGTGCAGTGTGTGATCACAGCTCACCTGACGCTTCAACTCCTGAGA 525
 Db 41659 TTGCCAGGCTGAGTGCAGTGTGCAACATGGCTCACTGACGCTTGATCTCTTGGGC 41600
 Qy 526 TC-AAGCATCTCTGCTCAGCTCCCAAGTGTGGGACCAAGACATGCACACCTAC 584
 Db 41599 TCAAAGGATCTCCCACTCAGCTCTGAGTAGTGGACTATAGTGTGATGCCACCAT 41540
 Qy 585 ACCTGGCTAATTTTATTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTACCC 644
 Db 41539 GCCCACTAATTTTTTTTTTTTTTTTTTTTTTTTGTAGATGGAGTTTTCGCTCTTGTGTC 41488
 Qy 645 CAGGCTGAGTGCAGTGCAGCAATCTTGGCTCACTGCACCACTCTGCTCCCGGTTCAAG 704
 Db 41487 CAGCTGGGTTGCAATGTTGCAATCTCGGCTCACTGCACCACTCTGCTCTGGGTTCAAG 41428
 Qy 705 TTATTTCTCTGCCCGCAGCTCTCTGAGTAGTGGGACTACAGGCGCCCAACCAAGCTAGCT 764
 Db 41427 CAATTTCTCTGCTCAACCCCAAGTGTGGGATTTAGGCAATGTGCCATCACACCTG 41368
 Qy 765 AATTTTTTGTATTTTGTATGAGATGGGG--TTCAACATGTTCCGAGGTTGATCTTGAT 823
 Db 41367 GCTAAATTTTGTATTTGTATGAGATGGGGTTTCACTATGTGCTGAGGCTGTTCTCAA 41308
 Qy 824 CTCTGGGACT--TGATGATCTGCTGCTCGGCTCCCAAGTGTGGGATTTACAGGCTG 881
 Db 41307 CTCTGACCTCAGGAGATCTCTGCTCGGCTCCCAAGGCTGGGATTTACAGGCTG 41248
 Qy 882 AGCCACCAAGCGCCGCTT---ATTTTAAATTTTGTGTTTGAATGGAATCTCACTCT 938
 Db 41247 AGCCACTGCTGCTGCTGCCAATTTTTTTTTTTTTTTTTTTTTTGGAGACAAAGTCTGCT 41188
 Qy 939 GTTACCCAGGCTGAGTGCAGTGCAGCAATCTCGGCTCAGTGCACCACTCTGCTCCCGG 998
 Db 41187 CTTTCCAGGCTGGAGTGGAAATGGCACCACTCGGCTCACTGCACCACTCTGCTTTTCGG 41128
 Qy 999 CTCAAGCATCTCTGCTCAGCTCCCAAGCAGCTGGGATTAAGGGCACTGCACCA 1058
 Db 41127 TTCAAGCGATTCTCTGCTCAGTCTCCCAAGTAGTAGGACTACAGGCAATGTGCCACCA 41068
 Qy 1059 CACCCCGCTAATTTTGTATTTTCAATAGAGCGGGGTTTCAACATATTTGTGAGGCTGG 1118
 Db 41067 CGCCCGGCTAATTTTGTATTTTGTATTTTGTAGTAGACAGGTTTTCACCATGTTGGCAGACTGG 41008
 Qy 1119 TCTCAAACTCTGACCTCAGTGCAGCCACCTGCTCAGCTTCCAAAGTGTGGGATTTAC 1178
 Db 41007 TCTTGAATCTCTAATCTCAGGTGATCCACCGGCTCTGCTCCCAAGTGTGGGATTTAC 40948
 Qy 1179 AGGCTGAGCCACCTCACCCAGCC---GGCTAATTTAGATAAAAAATATGTAGCAATG 1234
 Db 40947 AGGCATGAGCCACCACTGCTGCTGCCCACTAATTAATAAAAAAATTTTGTAGAGA 40888
 Qy 1235 GGGGCTCTGTATGTTGCCAGGCTGGTCTCAAACTTCTGCTGCTTCATGCAATCTTCCA 1294

Db 40887 CAGGATCTCACTATGTTGTCCAGACTGCTTGAACCTCTGGGCTTAAGGGATCGTCCCTG 40828

Qy 1295 AATGAGCCAC 1304

Db 40827 TCTCAGCCTC 40818

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RESULT 13
US-09-949-016-17318/c
; Sequence 17318, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17318
; LENGTH: 42693
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17318

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Query Match	40.9%;	Score 590.4;	DB 3;	Length 42693;
Best Local Similarity	70.8%;	Pred. No. 6.6e-154;		
Matches 941;	Conservative 0;	Mismatches 346;	Indels 43;	Gaps 10;
QY	4	TTTTTTTTGAGATGGAGTTTTCGCTCTGTCGCCAGGCTGAGTGCATATGCGCAATCT	63	
DB	42133	TTTTGTTTGAGATGGAGTTTTT-GCTCTTGTCGCCAGGCTGAAGTGTATGGCAGATCT		
QY	64	CAGCTCACGCCAACCTCCGCTCCGCGTCTCAAGCGATTCTCCTGCCTCAGCCTCCCCAG	123	
DB	42074	CAGCTCACCAACAACCTCCGCTCCGCTCCAGGTTCAAGCAAATTCCTCTACCTCAGCTCCCGAG	42015	
QY	124	TAGCTGGGATTACAGCATGTGCCACCGCTCGGCTAATTTTGTATTTTTTTTAGTAG	183	
DB	42014	TAGCTGGGATTACAGCATGTGTCAACCAACCTGGCTAATTTTTTGTATTTTTT	41959	
QY	184	AGATGGAGTTTCTCCATGTTGGTCAGGCTGTCGAACTCCGACCTCAGATGATCCCT	243	
DB	41958	AGAGGGGTTTCTCAATGTTGGTCAGTTTGATTTTGAAACCCCGACCTCAGATATCCGC	41899	
QY	244	CGGTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCATCCCGGCTTGCCTGG	303	
DB	41898	CCACCTTGGCTCCCAAAGTGTCT-GGGATTACAGTGTGAGTTTACAAGAAAAACATTTA	41840	
QY	304	CTAATTTTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGTCCTCAGCTCA	363	
DB	41839	AGTATGAAGACGATACCTCCGGAATATGCACGGCCTCCAAACCCAGGCTCTGAAGATC	41780	
QY	364	AGCAGTCCACCTGCCTCAGCCTCCCAAAGTGTGGGATTACAGGGGTGCAGCGGCTG	423	
DB	41779	TTCACTTGCTGGCTGGCGCCACCACTCAGCTCCACCTTAAACATGGGCTGTGTCCTT	41720	
QY	424	GCC-----TTTTTATTTTTTTTTTTTTTTTTTAAACACAGGTGTCCCACTC	465	
DB	41719	CCCCCTCCATCCCTGCCTTTTTTTTTTTTTTTTTTTTTTTTTTGTGTTTG	41660	
QY	466	TTACCCAGGATGAAGTGCAGTGTGTGATCAAGCTCACTCAGCGCTTCAACTCCTGAGA	525	
DB	41659	TTGCCCAGGCTGAAGTGCAGTGTGCAACATGGCTCACTGACGCTTGTATCTTTGGGC	41600	
QY	526	TC-AAGCATCCTCCTGCCTCAGCCTCCCAAGTAGCTGGACCAAAGACATGCACCACTAC	584	

[illegible]

RESULT 14

US-09-949-016-14370/c
; Sequence 14370, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08

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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14370
; LENGTH: 107980
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(107980)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14370

Query Match      36.5%; Score 527; DB 3; Length 107980;
Best Local Similarity 71.2%; Pred. No. 4.7e-136;
Matches 915; Conservative 0; Mismatches 280; Indels 90; Gaps 13;

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Db 22848 TATTTATTTTATGAGACAGAGTCTTGCTCTGTACCCAGGCTGGAGTGCAGTGGCAGG 22789

Qy 61 TCTCAGCTCAGCGCAACCTCCGCTCCCGGGTTCAAGCGATTCCTCGCTCAGCTCC 120
Db 22788 TCTCGGTTCACTGCAACCTCCGCTCCCGGGTTCAAGCGATTCCTCGCTTTCAGCTCCT 22729

Qy 121 CAGTAGCTGGGATTTACAGGCAATGTGCACCGCTCGGCTAATTTGTGATTTTGTAG 180
Db 22728 GAGTAGCTGGGATTTACAGGCAATGTGCACCGCTCGGCTAATTTTGTGATTTTGTAG 22672

Qy 181 TAGAGATGGAGTTTCTCCATGTTGTGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db 22671 TAGAGCGGGTTTACCATTTTGGCAGGCTGGTCTTGAATTCCTGACTTC--GTGATC 22614

Qy 241 CTCCTGCTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCAATGCCGGCTCTGCC 300
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Qy 301 TGGCTAATTTTGTGGTAGAACAGGTTTCACTGATGTGCCAGCTG----- 349
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Qy 350 -----GTCTCTCAGCTCAAGCAGTCCACCTGCTCAGC 383
Db 22499 TGCCATCTTGGCTCACTGCACCTCCGCTCTGGGGTTCAAGTATCTCTCGCTCAGC 22440

Qy 384 CTCCTCAAAGTGTGGATTTACAGGCGTGCAGCC-----GTGCTCGGCC 426
Db 22439 GTCCGAGTAGCTGGGATTTACAGGCGCAAGCACCATGCCGGCTAAATTTTGTATTTCT 22380

Qy 427 TTTTATTTTATTTTATTTTATGACACAGTGTGCCACTTTACCCAGGATGAAGTGCAGT 486
Db 22379 TTTTATTTTATTTTATTTTATGATGGAGTCTCAGTCTTGTGCCAGGCTGGAGTGCAC 22320

Qy 487 GGTGTGATCAGAGCTCACTGACGCTTCAACTCTCTGAGATCAAGC-ATCCTCTCTGCTCA 545
Db 22319 AGTGGCACTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGCGATTCCTCTGCTCA 22260

Qy 546 GCCTCCCAAGTAGCTGGGACCAAGACATGCAACATCACTGCTGCTGCTAATTTTAT----- 601
Db 22259 GCCTCCGAGTAGCTGGGATTTACAGGCGCAAGCCACCATGCGCGCTAATTTTGTATTT 22200

Qy 602 -TTTTATTTTAAATTTTGTGACAGAGTCTCAACTCTGTACCCAGGCTGGAGTGCAGT 660
Db 22199 CTTTCTTTTTTTTTTTTGTGATGGAGTCTCAGTCTTGTACCTAGGCTGGAGTGCAC 22140

Qy 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCTGCGCCA 720
Db 22139 GGTGGCACTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGCGATTCCTCTGCTCA 22080

Qy 721 GCCTCTGAGTAGCTGGGACTAAGCGGCCCAACAGCCCTAGCTAAT-TTTTTTGTATTT 779
Db 22079 GCCTCTGAGTAGCTGGGATTTATAGATGCTGCCACCATGCGCGCTAATTTTGTATTT 22020

Qy 780 TTAGTAGAGA-TGGGGTTTACCAATGTTGCCCAGGTGTGATCTTGTGATCTCTGGACCT--TGT 836
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Db 22019 GTAGTAGACAGAGGTTTACCATATTTGAACAGGCTGGTCTCGAACTCTTGACCTCAGT 21960
Qy 837 GATCTGCTGCTCGCTCCGCTCCCAAAGTGTGGGATTTACAGGCTGAGCCACCGCCGG 896
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Qy 946 AGCTGGAGTGCATATGCGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAG 1005
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Qy 1006 GATCTCTGCTGCTCAGCTCCCAAGCAGCTGGGATTTACAGGCGACCTGCCACCAACCCG 1065
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RESULT 15
US-09-949-016-11799/c
; Sequence 11799, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11799
; LENGTH: 39552
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(39552)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11799

Query Match      36.0%; Score 519.6; DB 3; Length 39552;
Best Local Similarity 69.0%; Pred. No. 3.5e-134;
Matches 871; Conservative 0; Mismatches 349; Indels 42; Gaps 10;

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Qy 61 TCTCAGCTCAGCGCAACCTCCGCTCCCGGGTTCAAGGATTTCTCTGCTCAGCTCC 120
Db 34362 TCTCCATTCAGCGCAACCTCCGCTCCCGGGTTCAAGGATTTCTCTGCTCAGCTCC 34303
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QY 121 CAGTAGCTGGGATTACAGGATGTGCACCAAGCTCGGCTAAATTTGTTATTTTATTTAG 180
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Db |||||
QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240
Db |||||
QY 34246 TAGAGACGGGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCGACCTCAGGTTGAT 34187
Db |||||
QY 241 CCTCGCTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCAATGCCCGCTCTGCC 300
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QY 34186 CACTGGCTCTCGGCTCCCAAAGT-ATTGAGATTACAGGCTGAGCCACCGCTCGCT 34128
Db |||||
QY 301 TGGCTAAATTTTCTGTTAGAAACAGAGTTTCACTGATGTCGCCAAGCTGGTC-----TC 354
Db |||||
QY 34127 AATTTTGTATTTTAAATAGAGATGGGTTTTCATGTTGGCCAGGCTGGTCTCCAAATTC 34068
Db |||||
QY 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTCTGGATTAACAGGCTGGCAG 414
Db |||||
QY 34067 CTGACCTCAAGTATCCACCGCTTGTCTCTCCAAAGTGTGGGATTAACAGGCTGGATC 34008
Db |||||
QY 415 CCGTGGCTGGCTTTTATTTTATTTTAAAGACACAGGCTGCCACTCTTACCCAGG 474
Db |||||
QY 34007 CACCATGCCAGGCTTCAATCTCTTCAAAGCTGAATAATATTTCACTATATGTATAACC 33948
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QY 475 ATGAAGTGCAGTGGTGTGATCAGCTCACTGAGCCTTCAACTCTCTGAGATCAAGCATC 534
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QY 33947 ACATGTTTATCTATCCATCTGATGATAGTAGTACCTGGGTTGTTTCCAAATTTTAAATTTT 33888
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QY 655 TGCAGTGGGCAATCTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATCTCT 714
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QY 833 T--TGTGATCTGCTCGCTCGGCTCCCAAGTGTGGGATTAACAGGCTGAGCCACCAC 890
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Db 33193 TG 33192

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 Job time : 292 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 21:29:03 ; Search time 1286 Seconds
(without alignments)
9272.506 Million cell updates/sec

Title: US-09-380-203-1
Perfect score: 1442
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Scoring table: GAPINTV NUC

Gapopen 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19597084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA Main:

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- 2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq*
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- 10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1442	100.0	1442	3	US-09-964-667-1
4	1442	100.0	1442	3	US-09-872-968-1
5	1442	100.0	1442	3	US-09-964-678A-1
6	1442	100.0	1442	5	US-10-146-130-1
7	1442	100.0	1442	5	US-10-092-934-1
8	1442	100.0	1442	5	US-10-153-334-53
9	1442	100.0	1442	5	US-10-198-069-48
10	1442	100.0	1442	5	US-10-198-070-125
11	1442	100.0	1442	7	US-10-755-889-409
12	1442	100.0	1442	9	US-10-910-173-1
13	1223.4	84.8	1418	3	US-09-964-666-4
14	1223.4	84.8	1418	3	US-09-964-412-4
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16	1223.4	84.8	1418	3	US-09-964-678A-4
17	1080.2	74.9	1381	3	US-09-964-666-3
18	1080.2	74.9	1381	3	US-09-964-412-3
19	1080.2	74.9	1381	3	US-09-964-667-3
20	1080.2	74.9	1381	3	US-09-964-678A-3
c 21	590.4	40.9	33112	7	US-10-429-873A-3
c 22	590.4	40.9	33112	10	US-11-134-465-3
c 23	587.8	40.8	65608	3	US-09-962-436-292

ALIGNMENTS

RESULT 1

US-09-964-666-1
Sequence 1, Application US/09964666
Patent No. US20020104108A1
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
Wanda, Jack R.
TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's Disease
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/964,666
FILING DATE: 28-Sep-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Emmond, Robert W.
REGISTRATION NUMBER: 32,893
REFERENCE/DOCKET NUMBER: 0609.4370000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1442 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 15..1139
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-964-666-1

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Sequence 180, App
Sequence 1247, App
Sequence 2751, App
Sequence 6005, App
Sequence 2621, App
Sequence 2427, App
Sequence 2257, App
Sequence 129, App
Sequence 5284, App
Sequence 6599, App
Sequence 2008, App
Sequence 1157, App
Sequence 1157, App
Sequence 904, App
Sequence 6768, App
Sequence 3838, App
Sequence 590, App
Sequence 3428, App
Sequence 134, App
Sequence 23, Appl
Sequence 23, Appl

MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 15..1139
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-964-412-1

Query Match 100.0%; Score 1442; DB 3; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB |||||
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DB |||||TCTCAGCTCACCGCAACCTCCGCTCCGCGGTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
QY 121 CAGTAGCTGGGATTACAGGATGTGCACCAAGCTCGGCTAAATTTGTAATTTTATTTAG 180
DB |||||CAGTAGCTGGGATTACAGGATGTGCACCAAGCTCGGCTAAATTTGTAATTTTATTTAG 180
QY 181 TAGAGATGAGTTTCTCCATGTTGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240
DB |||||TAGAGATGAGTTTCTCCATGTTGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240
QY 241 CTTCCGCTCTCGGCTCCCAAGTGTGTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
DB |||||CTTCCGCTCTCGGCTCCCAAGTGTGTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
QY 301 TGGCTAAATTTTGTGTGTAAGAACAGGTTTCTAGATGTCGCAAGCTGCTCTCTGAGC 360
DB |||||TGGCTAAATTTTGTGTGTAAGAACAGGTTTCTAGATGTCGCAAGCTGCTCTCTGAGC 360
QY 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGATTTACAGGCGTGCAGCGTGC 420
DB |||||TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGATTTACAGGCGTGCAGCGTGC 420
QY 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
DB |||||CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
QY 481 TGCAGTGGTGTATCACAGCTCACTGCGCTTCACTGAGATGAGCATCTCTCTG 540
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DB |||||CCTCAGCTCCCAAGTGTGGACCAAGACATGCACCTACACCTGGCTAAATTTTAA 600
QY 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAA 660
DB |||||TTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAA 660
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QY 721 GCCTCTCAGTAGCTGGGACTACAGCGCCCAAGCTAGCTAAATTTTATTTTATTTT 780
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DB |||||TAGTAGAGATGGGTTTCAACCATGTTTCCGCGAGTTGATCTGATCTCTGAGCTTGTGATC 840
QY 841 TGCCTGCTCGGCTCCCAAGTGTGGATTACAGGCGTGCAGCCACACCGCGGCTTA 900
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RESULT 3
US-09-964-667-1
; Sequence 1, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; City: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609,4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540

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; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 1442 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: double
;     TOPOLOGY: both
;     MOLECULE TYPE: cDNA
;     FEATURE:
;       NAME/KEY: CDS
;       LOCATION: 15..1139
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-964-667-1

Query Match      100.0%; Score 1442; DB 3; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 TCTCAGCTCAGCGCAACTCCGCTCCCGGTTCAAGCAGTTCCTCGCTCAGCTCCC 120
QY 121 CAGTAGCTGGATTTACAGGCTGTGACCCACGCTCGGCTAATTTTGTATTTTTTTAG 180
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DB 181 TAGAGATGGAGTTTCTCCATTTGGTTCAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
QY 241 CCTCCGCTCGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCATGCCCGGCTCGC 300
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QY 361 TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGATTTACAGGCTGAGCGGTGC 420
DB 361 TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGATTTACAGGCTGAGCGGTGC 420
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QY 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACTGCTGAGATTCCTCTG 600
DB 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACTGCTGAGATTCCTCTG 600
QY 601 TTTTCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
DB 601 TTTTCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
QY 661 GSCGCAATCTTGGCTCAGTCAAACTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
DB 661 GSCGCAATCTTGGCTCAGTCAAACTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
QY 721 GCCTCTGAGTAGCTGGGACCTACAGGCGCCACACAGCTAGCTAAATTTTGTATTTT 780
DB 721 GCCTCTGAGTAGCTGGGACCTACAGGCGCCACACAGCTAGCTAAATTTTGTATTTT 780
QY 781 TAGTAGAGATGGGTTTCAACCATGTTTGGCCAGGTTGATCTTGAATCTTGGACCTTGATC 840
DB 781 TAGTAGAGATGGGTTTCAACCATGTTTGGCCAGGTTGATCTTGAATCTTGGACCTTGATC 840

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Db 61 TCTCAGCTCACCGCAACCTCGGCTCCGGGTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
Qy 121 CAGTAGCTGGGATTACAGGATGTGACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTACAGGATGTGACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
Qy 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 240
Db 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 240
Qy 241 CCTCCGCTCTCGGCTCCCAAGTGCTAGATACAGGACTGCGCACCAATGCGCGCTCTGCC 300
Db 241 CCTCCGCTCTCGGCTCCCAAGTGCTAGATACAGGACTGCGCACCAATGCGCGCTCTGCC 300
Qy 301 TGGCTAATTTTGTGTGATGAACAGGGTTTCACTGATGTGCCCAAGCTGCTCTCTGAGC 360
Db 301 TGGCTAATTTTGTGTGATGAACAGGGTTTCACTGATGTGCCCAAGCTGCTCTCTGAGC 360
Qy 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGCTGGAATACAGGCGTGCAGCGTGC 420
Db 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGCTGGAATACAGGCGTGCAGCGTGC 420
Qy 421 CTGGCTCTTTTATTTTATTTTAAAGACACAGGTGCTCCCACTCTTACCCAGGATGAAG 480
Db 421 CTGGCTCTTTTATTTTATTTTAAAGACACAGGTGCTCCCACTCTTACCCAGGATGAAG 480
Qy 481 TGCAGTGTGTGATCACAGCTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGTGTGATCACAGCTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Qy 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGATGACCACTACACCTGGCTTAAATTTT 600
Db 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGATGACCACTACACCTGGCTTAAATTTT 600
Qy 601 TTTTATTTTAAATTTTAAAGACAGAGTCTCAACTCTGTCAACCCAGGCTGAGTGCAGT 660
Db 601 TTTTATTTTAAATTTTAAAGACAGAGTCTCAACTCTGTCAACCCAGGCTGAGTGCAGT 660
Qy 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
Db 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
Qy 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCCAAGCTGCTGCTGCTGCTGCTGCTGCTG 780
Db 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCCAAGCTGCTGCTGCTGCTGCTGCTGCTG 780
Qy 781 TAGTAGAGATGGGTTTCAACATGTTCCGAGGTGATCTTGTATCTCTGAGCTGTGATC 840
Db 781 TAGTAGAGATGGGTTTCAACATGTTCCGAGGTGATCTTGTATCTCTGAGCTGTGATC 840
Qy 841 TGCCTGCTCGGCTCCCAAGTGCTGGGATTAAGGCGTGAAGCACTGTTACCCAGGCTGCAAT 900
Db 841 TGCCTGCTCGGCTCCCAAGTGCTGGGATTAAGGCGTGAAGCACTGTTACCCAGGCTGCAAT 900
Qy 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
Db 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
Qy 961 GGCCTGCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATCTCTCTGCTCTCA 1020
Db 961 GGCCTGCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATCTCTCTGCTCTCA 1020
Qy 1021 GCCTCCCAAGCAGCTGGGATTAAGGCGTGAAGCACTGTTACCCAGGCTGCAAT 1080
Db 1021 GCCTCCCAAGCAGCTGGGATTAAGGCGTGAAGCACTGTTACCCAGGCTGCAAT 1080
Qy 1081 TCAATAGAGGCGGTTTCAACATTTTGTGAGGCTGCTCAAACTCTCTGAGCTCAGGT 1140
Db 1081 TCAATAGAGGCGGTTTCAACATTTTGTGAGGCTGCTCAAACTCTCTGAGCTCAGGT 1140
Qy 1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAAGGCGTGAAGCACTCAGGCTCAG 1200

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RESULT 5

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US-09-964-678A-1
; Sequence 1, Application US/09964678A
; Publication No. US20030066097A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs
; TITLE OF INVENTION: Effective for the Treatment or Prevention of
; TITLE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 0609.4370002
; CURRENT APPLICATION NUMBER: US/09/964,678A
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: 09/380,203
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US98/03685
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/038,908
; PRIOR FILING DATE: 1997-02-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: AD7c-NTP cdNA
; NAME/KEY: CDS
; LOCATION: (15)..(1139)
; OTHER INFORMATION:
US-09-964-678A-1

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Query Match 100.0%; Score 1442; DB 3; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTTTATTTTGTGAGATGAGTTTTCGCTCTTGTGCTCCAGGCTGAGTGAATGGCGCA 60
Db 1 TTTTATTTTGTGAGATGAGTTTTCGCTCTTGTGCTCCAGGCTGAGTGAATGGCGCA 60
Qy 61 TCTCAGCTCACCGCAACCTCGGCTCCCGGTTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
Db 61 TCTCAGCTCACCGCAACCTCGGCTCCCGGTTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
Qy 121 CAGTAGCTGGGATTACAGGATGTGACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTACAGGATGTGACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
Qy 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGCTGGAATCTCCGACCTCAGATGATC 240

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Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
 Qy 241 CCTCCGCTCTGGCTCCCAAAGTCTAGATA CAGGACTGGCCACCATGCCCGGCTCTGCC 300
 Db 241 CCTCCGCTCTGGCTCCCAAAGTCTAGATA CAGGACTGGCCACCATGCCCGGCTCTGCC 300
 Qy 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTCAGC 360
 Db 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTCAGC 360
 Qy 361 TCAAGCAGTCCACCTGCCTCAGCTCCCAAAGTCTGGGATTACAGGCGTGCAGCCGTGC 420
 Db 361 TCAAGCAGTCCACCTGCCTCAGCTCCCAAAGTCTGGGATTACAGGCGTGCAGCCGTGC 420
 Qy 421 CTGGCTAAATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGATGAAG 480
 Db 421 CTGGCTAAATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGATGAAG 480
 Qy 481 TGCAGTGTGTGATCAGACTCAGTCGAGCCTTCAACTCCTGAGATCAAGCATCCTCTG 540
 Db 481 TGCAGTGTGTGATCAGACTCAGTCGAGCCTTCAACTCCTGAGATCAAGCATCCTCTG 540
 Qy 541 CCTCAGCTCCCAAGTAGCTGGACCAAGACATGCACACTACACCTGGGCTAATTTTAA 600
 Db 541 CCTCAGCTCCCAAGTAGCTGGACCAAGACATGCACACTACACCTGGGCTAATTTTAA 600
 Qy 601 TTTTATTTTAAATTTTGTGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
 Db 601 TTTTATTTTAAATTTTGTGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
 Qy 661 GGGCAATCTTGGCTCAGTCGAACTCTGCTCCCGGGTTCAAGTTATTTCTCCCGCCA 720
 Db 661 GGGCAATCTTGGCTCAGTCGAACTCTGCTCCCGGGTTCAAGTTATTTCTCCCGCCA 720
 Qy 721 GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACAGCTAGCTAAATTTTGTATTTT 780
 Db 721 GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACAGCTAGCTAAATTTTGTATTTT 780
 Qy 781 TAGTAGAGATGGGTTCACCATGTTTGGCAGGTTGATCTTGATCTCTGGAATCTGTGATC 840
 Db 781 TAGTAGAGATGGGTTCACCATGTTTGGCAGGTTGATCTTGATCTCTGGAATCTGTGATC 840
 Qy 841 TGCCTGCCTCGGCTCCCAAAGTGTGGATTACAGGGGTGAGCCACACCGCGGCTTA 900
 Db 841 TGCCTGCCTCGGCTCCCAAAGTGTGGATTACAGGGGTGAGCCACACCGCGGCTTA 900
 Qy 901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGCAAT 960
 Db 901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGCAAT 960
 Qy 961 GGGCAAAATCTCGGCTCAGTCGAACCTCTGCTCCCGGGCTCAAGCGATTCCTCTCTCA 1020
 Db 961 GGGCAAAATCTCGGCTCAGTCGAACCTCTGCTCCCGGGCTCAAGCGATTCCTCTCTCA 1020
 Qy 1021 GCCTCCCAAGCAGCTGGGATTACGGGCACCTGCAACCAACCGGCTAAATTTTGTATTT 1080
 Db 1021 GCCTCCCAAGCAGCTGGGATTACGGGCACCTGCAACCAACCGGCTAAATTTTGTATTT 1080
 Qy 1081 TCATTTAGAGCGGGTTTCCACATATTTGTAGGCTGGTCTCAAACTCTCTGACCTCAGGT 1140
 Db 1081 TCATTTAGAGCGGGTTTCCACATATTTGTAGGCTGGTCTCAAACTCTCTGACCTCAGGT 1140
 Qy 1141 GACCCCACTGCTCAGCTTCCAAAGTGTGGGATTACAGGCGTGAAGCCACTCAACCCAG 1200
 Db 1141 GACCCCACTGCTCAGCTTCCAAAGTGTGGGATTACAGGCGTGAAGCCACTCAACCCAG 1200
 Qy 1201 CCGGCTAAATTTAGATAAATAATATGTAGCAATGGGGGTCTTGCTATGTTGCCAGGCT 1260
 Db 1201 CCGGCTAAATTTAGATAAATAATATGTAGCAATGGGGGTCTTGCTATGTTGCCAGGCT 1260
 Qy 1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCCAACACCCAGGCTCA 1320
 Db 1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCCAACACCCAGGCTCA 1320

Qy 1321 CATTATTTTAAACAGTTACATCTTTTATTTTAGTATACAGAAAGTAAATACAAATAAACATGT 1380
 Db 1321 CATTATTTTAAACAGTTACATCTTTTATTTTAGTATACAGAAAGTAAATACAAATAAACATGT 1380
 Qy 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
 Db 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
 Qy 1441 CA 1442
 Db 1441 CA 1442

RESULT 6
 US-10-146-130-1
 ; Sequence 1, Application US/10146130
 ; Publication No. US2003004107A1
 ; GENERAL INFORMATION:
 ; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: METHOD OF PREVENTING CELL DEATH USING SEGMENTS OF
 ; FILE OF INVENTION: NEURAL THREAD PROTEINS
 ; FILE REFERENCE: 59003.000007
 ; CURRENT APPLICATION NUMBER: US/10/146.130
 ; CURRENT FILING DATE: 2002-08-06
 ; NUMBER OF SEQ ID NOS: 43
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 US-10-146-130-1

Query Match 100.0%; Score 1442; DB 5; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCAATGGCGAA 60
 Db 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCAATGGCGAA 60
 Qy 61 TCTCAGCTCACCGCAACTCTCGGCTCCGGGTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
 Db 61 TCTCAGCTCACCGCAACTCTCGGCTCCGGGTTCAAGCGATTCTCTCGCTCAGCCTCCC 120
 Qy 121 CAGTAGCTGGGATTACAGGCAATGTGCACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
 Db 121 CAGTAGCTGGGATTACAGGCAATGTGCACCCACGCTCGGCTAAATTTTGTATTTTGTAG 180
 Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
 Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
 Qy 241 CCTCGCTCTCGGCTCCCAAAAGTGTAGATACAGGACTGGCCCAATGCCGGCTCTGCC 300
 Db 241 CCTCGCTCTCGGCTCCCAAAAGTGTAGATACAGGACTGGCCCAATGCCGGCTCTGCC 300
 Qy 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTGAGC 360
 Db 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTGAGC 360
 Qy 361 TCAAGCAGTCCACCTGCCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGAAGCCGTGC 420
 Db 361 TCAAGCAGTCCACCTGCCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGAAGCCGTGC 420
 Qy 421 CTGGCTAAATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
 Db 421 CTGGCTAAATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
 Qy 481 TGCAGTGTGTGATCAGACTCAGCTCAGCTTCAACTCCTGAGATCAAGCATCCTCTCTG 540


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481 TGCAAGTGGTGTGATCAGAGCTCACTGAGCCCTCACTCTGAGATCAAGCATCTCTCTG 540
541 CCTCAGGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTAAATTTTAA 600
541 CCTCAGGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTAAATTTTAA 600
601 TTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 660
601 TTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 660
661 GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCCA 720
661 GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCCA 720
721 GCCTCTGAGTAGCTGGGACTACAGCGGCCCAACCGCTAGCTAAATTTTGTATTTT 780
721 GCCTCTGAGTAGCTGGGACTACAGCGGCCCAACCGCTAGCTAAATTTTGTATTTT 780
781 TAGTAGAGATGGGTTTCAACATGTTTCCGCAAGTTGATCTTGATCTCTGACCTTGTGATC 840
781 TAGTAGAGATGGGTTTCAACATGTTTCCGCAAGTTGATCTTGATCTCTGACCTTGTGATC 840
841 TGCTGCTCTCGGCTCCCAAGTGTCTGGAATACAGCGGTGAGCCACACCGCCGCTTGA 900
841 TGCTGCTCTCGGCTCCCAAGTGTCTGGAATACAGCGGTGAGCCACACCGCCGCTTGA 900
901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
961 GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCTCA 1020
961 GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCTCA 1020
1021 GCCTCCCAAGTAGCTGGGATTAAGGCACTGCAACCTGCAACCGCCGCTAATTTTGTATTT 1080
1021 GCCTCCCAAGTAGCTGGGATTAAGGCACTGCAACCGCCGCTAATTTTGTATTT 1080
1081 TCATTAGAGCGGGGTTTCAACATATTTGTCAGGCTGGTCTCAAACTCTCTGACCTCAGGT 1140
1081 TCATTAGAGCGGGGTTTCAACATATTTGTCAGGCTGGTCTCAAACTCTCTGACCTCAGGT 1140
1141 GACCCACCTGCTCAGCTTCAAAAGTGTGGGATTAAGGCGTGAGCCACCTCAACCCAG 1200
1141 GACCCACCTGCTCAGCTTCAAAAGTGTGGGATTAAGGCGTGAGCCACCTCAACCCAG 1200
1201 CCGGCTAATTTAGATAAATAAATAATGTTAGCAATGGGGGTTCTGCTATGTTGCCAGGCT 1260
1201 CCGGCTAATTTAGATAAATAAATAATGTTAGCAATGGGGGTTCTGCTATGTTGCCAGGCT 1260
1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
1321 CATTTTTTAAACAGTTACATCTTTATTTTATGATATCTAGAAAGTAAATCAATAAATGT 1380
1321 CATTTTTTAAACAGTTACATCTTTATTTTATGATATCTAGAAAGTAAATCAATAAATGT 1380
1381 CAAACCTGCAATTCAGTAGTAACAGAGTTCTTTTATTAACCTTTTAAACAAAGCTTTAG 1440
1381 CAAACCTGCAATTCAGTAGTAACAGAGTTCTTTTATTAACCTTTTAAACAAAGCTTTAG 1440
1441 CA 1442
1441 CA 1442

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RESULT 7
 US-10-092-934-1
 ; Sequence 1, Application US/10092934
 ; Publication No. US20030054990A1
 ; GENERAL INFORMATION:

; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: METHODS OF USING NEURAL THREAD PROTEINS TO TREAT TUMORS
 ; TITLE OF INVENTION: AND CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 018792-0199
 ; CURRENT APPLICATION NUMBER: US/10/092,934
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: 60/273,957
 ; PRIOR FILING DATE: 2001-03-08
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 ; US-10-092-934-1

Query Match 100.0%; Score 1442; DB 5; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	TTTTTTTTTTTGAGATGGAGTTTTCGCTCTGTTGCCAGGCTGAGTGAATGGCGAA	60
Db	1	TTTTTTTTTTTGAGATGGAGTTTTCGCTCTGTTGCCAGGCTGAGTGAATGGCGAA	60
Qy	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCTGCTCAGCTCCC	120
Db	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCTGCTCAGCTCCC	120
Qy	121	CAGTAGCTGGGATTAAGGCGATGTGCACCCAGCTCGGCTAAATTTGTATTTTTTTAG	180
Db	121	CAGTAGCTGGGATTAAGGCGATGTGCACCCAGCTCGGCTAAATTTGTATTTTTTTAG	180
Qy	181	TAGAGATGGAGTTTCTCCATGTTGGTCTAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	181	TAGAGATGGAGTTTCTCCATGTTGGTCTAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Qy	241	CCTCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGGCAACATGCCGGCTCTGCC	300
Db	241	CCTCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGGCAACATGCCGGCTCTGCC	300
Qy	301	TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGCTCTCTGAGC	360
Db	301	TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGCTCTCTGAGC	360
Qy	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGTGGGATTAAGGCGTGCAGCCGTGC	420
Db	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGTGGGATTAAGGCGTGCAGCCGTGC	420
Qy	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
Db	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
Qy	481	TGCAAGTGTGTGATCAAGCTCACTGAGCTTCAAACTCTCTGAGATCAAGCATCTCTCTG	540
Db	481	TGCAAGTGTGTGATCAAGCTCACTGAGCTTCAAACTCTCTGAGATCAAGCATCTCTCTG	540
Qy	541	CCTCAGCTCCCAAGTAGTGGGACCAAGACATGCAACCTACACCTGGCTAAATTTTAA	600
Db	541	CCTCAGCTCCCAAGTAGTGGGACCAAGACATGCAACCTACACCTGGCTAAATTTTAA	600
Qy	601	TTTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Db	601	TTTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Qy	661	GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCCA	720
Db	661	GGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCCA	720
Qy	721	GCCTCTGAGTAGCTGGGACTACAGCGGCCCAACCGCTAGCTAAATTTTGTATTTT	780

Db 721 GCCTCCTGAGTAGCTGGGACTACAGGCGCCACACAGCCCTAGCTAAATTTTGTATTTT 780
QY 781 TAGTAGAGATGGGGTTCACCATGTTCCGAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
Db 781 TAGTAGAGATGGGGTTCACCATGTTCCGAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
QY 841 TGCCTGCTCCTGGCCCTCCCAAGTGTCTGGGATTTACAGGCTGTAGCCACACCGCCGGCTTA 900
Db 841 TGCCTGCTCCTGGCCCTCCCAAGTGTCTGGGATTTACAGGCTGTAGCCACACCGCCGGCTTA 900
QY 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
Db 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
QY 961 GGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGCGATTCCTGTTCTCA 1020
Db 961 GGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGCGATTCCTGTTCTCA 1020
QY 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACTTGCCACCAACCCCGCTAAATTTTGTATTT 1080
Db 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACTTGCCACCAACCCCGCTAAATTTTGTATTT 1080
QY 1081 TCATTAGAGGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCCTGACCTCAGGT 1140
Db 1081 TCATTAGAGGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCCTGACCTCAGGT 1140
QY 1141 GACCACCTGCTCAGCTTCCAAAGTGTCTGGGATTTACAGGCTGTAGCCACCTCAACCCAG 1200
Db 1141 GACCACCTGCTCAGCTTCCAAAGTGTCTGGGATTTACAGGCTGTAGCCACCTCAACCCAG 1200
QY 1201 CGCGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGTCTTGCTATGTTGCCAGGCT 1260
Db 1201 CGCGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGTCTTGCTATGTTGCCAGGCT 1260
QY 1261 GGTCTCAAACTTCTGGCTTCATGCAATCGTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCGTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
QY 1321 CATTTTTTAAACAGTTACATCTTTATTTTAGTATCTAGTAAGTAAATAACAATGATGT 1380
Db 1321 CATTTTTTAAACAGTTACATCTTTATTTTAGTATCTAGTAAGTAAATAACAATGATGT 1380
QY 1381 CAAACCTGCAATTCAGTAGTAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
Db 1381 CAAACCTGCAATTCAGTAGTAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
QY 1441 CA 1442
Db 1441 CA 1442

RESULT 8
US-10-153-334-53
; Sequence 53, Application US/10153334
; Publication No. US20030096350A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153,334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 53
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

; NAME/KEY: CDS
; LOCATION: (15)..(1139)
US-10-153-334-53
Query Match 100.0%; Score 1442; DB 5; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTGTTTCCAGGCTGGAGTGAATGGCGCAA 60
Db 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTGTTTCCAGGCTGGAGTGAATGGCGCAA 60
QY 61 TCTCAGCTCACCGCAACTCCGCTCCCGGTTCAAGCGATTTCTCTGCTCAGCCTCCC 120
Db 61 TCTCAGCTCACCGCAACTCCGCTCCCGGTTCAAGCGATTTCTCTGCTCAGCCTCCC 120
QY 121 CAGTAGCTGGGATTTACAGGCAATGTGCAACCCAGCTCGGTAAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTTACAGGCAATGTGCAACCCAGCTCGGTAAATTTTGTATTTTGTAG 180
QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
QY 241 CCTCCGCTCGGCTCCCAAGTGTCTAGATACAGGCTGGCCACATGCCCGGCTCTGCC 300
Db 241 CCTCCGCTCGGCTCCCAAGTGTCTAGATACAGGCTGGCCACATGCCCGGCTCTGCC 300
QY 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTGAGC 360
Db 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTGAGC 360
QY 361 TCAAGCAGTGCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCTGCAGCGTGC 420
Db 361 TCAAGCAGTGCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCTGCAGCGTGC 420
QY 421 CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 480
Db 421 CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 480
QY 481 TGCAGTGGTGTGATCAGAGCTCACTGCGAGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGGTGTGATCAGAGCTCACTGCGAGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
QY 541 CCTCAGCTCCCAAGTAGCTGGAGCAAGACATGCACCATACACCTGGCTTAATTTTAA 600
Db 541 CCTCAGCTCCCAAGTAGCTGGAGCAAGACATGCACCATACACCTGGCTTAATTTTAA 600
QY 601 TTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
Db 601 TTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
QY 661 GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
Db 661 GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
QY 721 GCCTCCTGAGTAGCTGGGACTACAGGCGCCCAAGCTGAGTAAATTTTGTATTTT 780
Db 721 GCCTCCTGAGTAGCTGGGACTACAGGCGCCCAAGCTGAGTAAATTTTGTATTTT 780
QY 781 TAGTAGAGATGGGGTTTACCATGTTTGGCAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
Db 781 TAGTAGAGATGGGGTTTACCATGTTTGGCAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
QY 841 TGCCTGCTCCTGGCCCTCCCAAGTGTGGGATTTACAGGCTGTAGCCACACCGCCGGCTTA 900
Db 841 TGCCTGCTCCTGGCCCTCCCAAGTGTGGGATTTACAGGCTGTAGCCACACCGCCGGCTTA 900
QY 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
Db 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
QY 961 GGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGCGATTTCTCTGTTCTCA 1020

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Db      961  |||||GGCCAAATCTGGCTCACTGCAACCTCTGGCTCCCGGGCTCAAGCGATTCTCTGCTCTCA 1020
Qy      1021  GCTTCCCAAGCAGCTGGGATTACGGGCACTGGCCACCAACCCCGCTAAATTTTGTATTT 1080
Db      1021  GCTTCCCAAGCAGCTGGGATTACGGGCACTGGCCACCAACCCCGCTAAATTTTGTATTT 1080
Qy      1081  TCATTAGAGGGGGGTTTCAACCATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
Db      1081  TCATTAGAGGGGGGTTTCAACCATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
Qy      1141  GACCCACCTCCCTCAGCTTCCAAAGTGTGGGATTACAGCGGTGAGCCACCTCACCCAG 1200
Db      1141  GACCCACCTCCCTCAGCTTCCAAAGTGTGGGATTACAGCGGTGAGCCACCTCACCCAG 1200
Qy      1201  CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGCTATGTGGCCAGGCT 1260
Db      1201  CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGCTATGTGGCCAGGCT 1260
Qy      1261  GGTCTCAAACTCTGGCTTCATGCAATCTTCAAAATGAGCCACCAACCCAGCCAGTCA 1320
Db      1261  GGTCTCAAACTCTGGCTTCATGCAATCTTCAAAATGAGCCACCAACCCAGCCAGTCA 1320
Qy      1321  CATTTTAAACAGTTACATCTTTATTTAGTATCTAGAAAGTAAATACAATAAACATGT 1380
Db      1321  CATTTTAAACAGTTACATCTTTATTTAGTATCTAGAAAGTAAATACAATAAACATGT 1380
Qy      1381  CAACTCGCAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
Db      1381  CAACTCGCAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
Qy      1441  CA 1442
Db      1441  CA 1442

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RESULT 9

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US-10-198-069-48
; Sequence 48, Application US/10198069
; Publication No. US2003096756A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; FILE REFERENCE: 59003.000009
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/10/198,069
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 48
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)..(1139)
US-10-198-069-48

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Query Match      100.0%; Score 1442; DB 5; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1  TTTTATTTTTCAGATGGAGTTTTCGCTCTTGTGCGCCAGGCTGAGTGCAATGGCGCAA 60
Db      1  TTTTATTTTTCAGATGGAGTTTTCGCTCTTGTGCGCCAGGCTGAGTGCAATGGCGCAA 60

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Qy      61  TCTAGCTCACGCAACCTCTCCGCTCCCGGTTTCAAGCGATTCTCTGCTCAGCCTCCC 120
Db      61  TCTAGCTCACGCAACCTCTCCGCTCCCGGTTTCAAGCGATTCTCTGCTCAGCCTCCC 120
Qy      121  CAGTAGCTGGGATTACAGGCAATGTGCAACCACTGCTGGCTAAATTTTGTATTTTGTAG 180
Db      121  CAGTAGCTGGGATTACAGGCAATGTGCAACCACTGCTGGCTAAATTTTGTATTTTGTAG 180
Qy      181  TAGAGATGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db      181  TAGAGATGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Qy      241  CCTCGTCTCGGCTCCCAAGTGTAGATAAGGCTGGCCACCACTGCGCTCTGCG 300
Db      241  CCTCGTCTCGGCTCCCAAGTGTAGATAAGGCTGGCCACCACTGCGCTCTGCG 300
Qy      301  TGGCTAAATTTTGTGGTGAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC 360
Db      301  TGGCTAAATTTTGTGGTGAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC 360
Qy      361  TCAAGCAGTCCACCTGCGCTCAGCCTCCCAAGTGTGGGATTACAGGCGTGCAGCGTGC 420
Db      361  TCAAGCAGTCCACCTGCGCTCAGCCTCCCAAGTGTGGGATTACAGGCGTGCAGCGTGC 420
Qy      421  CTGGCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
Db      421  CTGGCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
Qy      481  TGCAGTGTGTGATCAGAGCTCAGTGCAGCCTTCAACTCTCTGAGATCAGCATCTCTCTG 540
Db      481  TGCAGTGTGTGATCAGAGCTCAGTGCAGCCTTCAACTCTCTGAGATCAGCATCTCTCTG 540
Qy      541  CCTCAGCCTCCCAAGTGTGGGACCAAGACATGCAACCTTACACCTGGCTAAATTTTAA 600
Db      541  CCTCAGCCTCCCAAGTGTGGGACCAAGACATGCAACCTTACACCTGGCTAAATTTTAA 600
Qy      601  TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCTACCCAGGCTGGAGTGCACT 660
Db      601  TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCTACCCAGGCTGGAGTGCACT 660
Qy      661  GGCGCAATCTTGGCTCAGTGCACCTTCCCTCCCGGTTCAAGTTATTTCTCTGCGCCA 720
Db      661  GGCGCAATCTTGGCTCAGTGCACCTTCCCTCCCGGTTCAAGTTATTTCTCTGCGCCA 720
Qy      721  GCTCTCCTGAGTAGCTGGGACTACAGCGCCCAACACCTGCTCCCGGTTCAAGTTATTT 780
Db      721  GCTCTCCTGAGTAGCTGGGACTACAGCGCCCAACACCTGCTCCCGGTTCAAGTTATTT 780
Qy      781  TAGTAGAGATGGGTTTCAACATGTTCCGACAGTTGATCTTGATCTCTGAGACCTTGTGATC 840
Db      781  TAGTAGAGATGGGTTTCAACATGTTCCGACAGTTGATCTTGATCTCTGAGACCTTGTGATC 840
Qy      841  TGCCTGCTCCGCTCCCAAGTGTGGGATTACAGGCTGAGGCCACCAACCGCCGGTTA 900
Db      841  TGCCTGCTCCGCTCCCAAGTGTGGGATTACAGGCTGAGGCCACCAACCGCCGGTTA 900
Qy      901  TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGGAGTGCAAT 960
Db      901  TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGGAGTGCAAT 960
Qy      961  GGCCAAATCTCGGCTCAGTGCACCTCTGCTCCCGGCTCAAGCGATTCTCTGCTCTCA 1020
Db      961  GGCCAAATCTCGGCTCAGTGCACCTCTGCTCCCGGCTCAAGCGATTCTCTGCTCTCA 1020
Qy      1021  GCCTCCCAAGCAGCTGGGATTACGGGCACTGCGCCACCAACCCCGCTAAATTTTGTATTT 1080
Db      1021  GCCTCCCAAGCAGCTGGGATTACGGGCACTGCGCCACCAACCCCGCTAAATTTTGTATTT 1080
Qy      1081  TCATTAGAGGGGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
Db      1081  TCATTAGAGGGGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
Qy      1141  GACCCACCTCGCTCAGGCTTCCAAAGTGTGGGATTACAGGCGTGCAGCCAGCTCACCCAG 1200

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Db 1141 GACCACTGCTCAGGCTCCAAAGTGTGGGATACAGCGTGAGCCACTCACCAG 1200
 Qy 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260
 Db 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260
 Qy 1261 GGTCTCAAACTTCTGGCTTCATGCATCTTTATTTAGTATACAGGCTCAAAATGAGCCACACCCAGCCAGTCA 1320
 Db 1261 GGTCTCAAACTTCTGGCTTCATGCATCTTTATTTAGTATACAGGCTCAAAATGAGCCACACCCAGCCAGTCA 1320
 Qy 1321 CATTTTAAACAGTTACATCTTTATTTAGTATACAGGCTCAAAATGAGCCACACCCAGCCAGTCA 1380
 Db 1321 CATTTTAAACAGTTACATCTTTATTTAGTATACAGGCTCAAAATGAGCCACACCCAGCCAGTCA 1380
 Qy 1381 CAAACCTGCAAAATTCAGTAGTAACAGAGTCTTTTATAACCTTTTAAACAAAGCTTTAGAG 1440
 Db 1381 CAAACCTGCAAAATTCAGTAGTAACAGAGTCTTTTATAACCTTTTAAACAAAGCTTTAGAG 1440
 Qy 1441 CA 1442
 Db 1441 CA 1442

RESULT 10
 US-10-198-070-125
 ; Sequence 125, Application US/10198070
 ; Publication No. US20030109437A1
 ; GENERAL INFORMATION:
 ; APPLICANT: AVERBACK, PAUL
 ; APPLICANT: GEMMELI, JACK
 ; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
 ; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 59003.000008
 ; CURRENT APPLICATION NUMBER: US/10/198,070
 ; CURRENT FILING DATE: 2002-07-19
 ; PRIOR APPLICATION NUMBER: 60/306,161
 ; PRIOR FILING DATE: 2001-07-19
 ; PRIOR APPLICATION NUMBER: 60/306,150
 ; PRIOR FILING DATE: 2001-07-19
 ; PRIOR APPLICATION NUMBER: 60/331,477
 ; PRIOR FILING DATE: 2001-11-16
 ; NUMBER OF SEQ ID NOS: 125
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 125
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 US-10-198-070-125

Query Match 100.0%; Score 1442; DB 5; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTGTGCGGCTTCAAGCGATTTCTCTGCTCAGGCTTCAAGCGATTTCTCTGCTCAGGCTCCC 120
 Db 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTGTGCGGCTTCAAGCGATTTCTCTGCTCAGGCTTCAAGCGATTTCTCTGCTCAGGCTCCC 120
 Qy 61 TCTCAGCTCAGCGCAACTCCGCTCCGCGGTTCAAGCGATTTCTCTGCTCAGGCTCCC 120
 Db 61 TCTCAGCTCAGCGCAACTCCGCTCCGCGGTTCAAGCGATTTCTCTGCTCAGGCTCCC 120
 Qy 121 CAGTAGCTGGATTCAGCGATGTGACCCAGCTCGGCTAATTTGTATTTTGTATG 180
 Db 121 CAGTAGCTGGATTCAGCGATGTGACCCAGCTCGGCTAATTTGTATTTTGTATG 180
 Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAACTCCGAGCTCAGATGATC 240
 Db 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAACTCCGAGCTCAGATGATC 240

Qy 241 CTTCCGCTCGGCTCCCAAGTGTAGATACAGGCTGCGCCACCATGCCGCTCTGCC 300
 Db 241 CTTCCGCTCGGCTCCCAAGTGTAGATACAGGCTGCGCCACCATGCCGCTCTGCC 300
 Qy 301 TGGCTAATTTTGTGGTAGAAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTGAGC 360
 Db 301 TGGCTAATTTTGTGGTAGAAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTGAGC 360
 Qy 361 TCAAGCAGTCCACTGCTCAGGCTCCCAAGTGTGGGATTTACAGGCGTGCCAGCTGC 420
 Db 361 TCAAGCAGTCCACTGCTCAGGCTCCCAAGTGTGGGATTTACAGGCGTGCCAGCTGC 420
 Qy 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCACTCTTACCCAGGATGAAG 480
 Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCACTCTTACCCAGGATGAAG 480
 Qy 481 TGCAGTGGTGTGATCAGGCTCACTGAGGCTTCAACTCTGAGATCAAGCATCTCTCTG 540
 Db 481 TGCAGTGGTGTGATCAGGCTCACTGAGGCTTCAACTCTGAGATCAAGCATCTCTCTG 540
 Qy 541 CCTCAGCCTCCCAAGTAGCTGGGACCAAAAGACATGCAACCTACCTGGGCTAATTTT 600
 Db 541 CCTCAGCCTCCCAAGTAGCTGGGACCAAAAGACATGCAACCTACCTGGGCTAATTTT 600
 Qy 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 660
 Db 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 660
 Qy 661 GGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
 Db 661 GGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
 Qy 721 GCCTCTCAGTGGGATTCAGGCGCCACACCGCTAGCTAATTTTGTATTTT 780
 Db 721 GCCTCTCAGTGGGATTCAGGCGCCACACCGCTAGCTAATTTTGTATTTT 780
 Qy 781 TAGTAGAGTGGGTTTCCCAATGTTCCGAGTTGATCTTGATCTCTGGACTTGTGATC 840
 Db 781 TAGTAGAGTGGGTTTCCCAATGTTCCGAGTTGATCTTGATCTCTGGACTTGTGATC 840
 Qy 841 TGCCTGCTCGGCTCCCAAGTGTCTGGGATTCAGGCGTGAGCCACACCGCGCTTA 900
 Db 841 TGCCTGCTCGGCTCCCAAGTGTCTGGGATTCAGGCGTGAGCCACACCGCGCTTA 900
 Qy 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
 Db 901 TTTTAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
 Qy 961 GGGCAATCTCGGCTCACTGCAACTCTGCTCCCGGGTTCAAGCGATTTCTCTGCTCA 1020
 Db 961 GGGCAATCTCGGCTCACTGCAACTCTGCTCCCGGGTTCAAGCGATTTCTCTGCTCA 1020
 Qy 1021 GCCTCCCAAGCAGCTGGGATTCAGGCGACCTGCGCCACACACCGCTAATTTTGTATTT 1080
 Db 1021 GCCTCCCAAGCAGCTGGGATTCAGGCGACCTGCGCCACACACCGCTAATTTTGTATTT 1080
 Qy 1081 TCAATAGAGCGGGTTTCACTAATTTGTGAGGCTGTCTCAAACTCTGACCTCAGGT 1140
 Db 1081 TCAATAGAGCGGGTTTCACTAATTTGTGAGGCTGTCTCAAACTCTGACCTCAGGT 1140
 Qy 1141 GACCACTGCTCAGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG 1200
 Db 1141 GACCACTGCTCAGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG 1200
 Qy 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260
 Db 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260
 Qy 1261 GGTCTCAAACTTCTGGCTTCATGCATCTTTTATAACCTTTTAAACAAAGCTTTAGAG 1320
 Db 1261 GGTCTCAAACTTCTGGCTTCATGCATCTTTTATAACCTTTTAAACAAAGCTTTAGAG 1320

QY 1321 CATTTTAAACAGTTACATCTTTATTTAGTATACCTAGAAAGTAATAACAATAACATGT 1380
DB 1321 CATTTTAAACAGTTACATCTTTATTTAGTATACCTAGAAAGTAATAACAATAACATGT 1380
QY 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
DB 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
QY 1441 CA 1442
DB 1441 CA 1442

RESULT 11
US-10-755-889-409
; Sequence 409, Application US/10755889
; Publication No. US20040171823A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-kB
; TITLE OF INVENTION: PATHWAY
; FILE REFERENCE: D0284 NP
; CURRENT APPLICATION NUMBER: US/10/755,889
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: U.S. 60/440,068
; PRIOR FILING DATE: 2003-01-14
; PRIOR APPLICATION NUMBER: U.S. 60/469,757
; PRIOR FILING DATE: 2003-05-12
; NUMBER OF SEQ ID NOS: 823
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 409
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-755-889-409

Query Match 100.0%; Score 1442; DB 7; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTTATTTTGGAGTGGAGTTTTCGCTCTTGTGCGCAGGCTGGAGTGCATATGCGCAA 60
DB 1 TTTTATTTTGGAGTGGAGTTTTCGCTCTTGTGCGCAGGCTGGAGTGCATATGCGCAA 60
QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCC 120
DB 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCC 120
QY 121 CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
DB 121 CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
DB 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
QY 241 CCTCGCTCTCGGCTTCCAAAGTGTAGATACAGGACTGGCCACCATGCCGGCTCTGCC 300
DB 241 CCTCGCTCTCGGCTTCCAAAGTGTAGATACAGGACTGGCCACCATGCCGGCTCTGCC 300
QY 301 TGGCTAATTTTGTGTAGAACAGGGTTTCACTGATGTGCGCAAGCTGTCTCTGAGC 360
DB 301 TGGCTAATTTTGTGTAGAACAGGGTTTCACTGATGTGCGCAAGCTGTCTCTGAGC 360
QY 361 TCAAGCAGTCCACCTGCTCAGCCTCCCAAAGTGTGCGGATTACAGGCGTGCAGCGTGC 420
DB 361 TCAAGCAGTCCACCTGCTCAGCCTCCCAAAGTGTGCGGATTACAGGCGTGCAGCGTGC 420
QY 421 CTGGCTTTTATTTTATTTTATTTTAAAGACAGAGTGTCCCACTCTTACCAGGATGAAG 480
DB 421 CTGGCTTTTATTTTATTTTATTTTAAAGACAGAGTGTCCCACTCTTACCAGGATGAAG 480
QY 481 TGCAGTGTGTGATCACAGCTCACTGCGAGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540

DB 481 TGCAGTGTGTGATCACAGCTCACTGCGAGCTTCAACTCTGAGATCAAGCATCTCTCTG 540
QY 541 CCTCAGCTTCCCAAGTAGCTGGGACCAAGACATGACACCTACACCTGGCTAAATTTTA 600
DB 541 CCTCAGCTTCCCAAGTAGCTGGGACCAAGACATGACACCTACACCTGGCTAAATTTTA 600
QY 601 TTTTATTTTAAATTTTGGAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
DB 601 TTTTATTTTAAATTTTGGAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
QY 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATCTCTGCGCCA 720
DB 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATCTCTGCGCCA 720
QY 721 GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACACGCTAGCTAAATTTTGTATTTT 780
DB 721 GCCTCCTGAGTAGCTGGGACTACAGCGCCCAACACGCTAGCTAAATTTTGTATTTT 780
QY 781 TAGTAGAGATGGGTTTCAACATGTTCCGAGTTGATCTTGTATCTCTGAGACCTTGTGATC 840
DB 781 TAGTAGAGATGGGTTTCAACATGTTCCGAGTTGATCTTGTATCTCTGAGACCTTGTGATC 840
QY 841 TGCCTGCTCGGCTCCCAAGTGTGCGGATTACAGGCTGAGCCACACCGCCGGCTTA 900
DB 841 TGCCTGCTCGGCTCCCAAGTGTGCGGATTACAGGCTGAGCCACACCGCCGGCTTA 900
QY 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCAGGCTGGAGTGCAT 960
DB 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCAGGCTGGAGTGCAT 960
QY 961 GGCCAAACTCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCTCTGCTCA 1020
DB 961 GGCCAAACTCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCTCTGCTCA 1020
QY 1021 GCCTCCCAAGCAGCTGGGATTACGGGCACTGCGCACCAACACCGCTAATTTTGTATTT 1080
DB 1021 GCCTCCCAAGCAGCTGGGATTACGGGCACTGCGCACCAACACCGCTAATTTTGTATTT 1080
QY 1081 TCATTAGAGGCGGGTTTTCACCATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
DB 1081 TCATTAGAGGCGGGTTTTCACCATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
QY 1141 GACCCACTGCTCAGGCTTCCAAAGTGTGGGATTACAGGCGTGGAGCCACTCACCCAG 1200
DB 1141 GACCCACTGCTCAGGCTTCCAAAGTGTGGGATTACAGGCGTGGAGCCACTCACCCAG 1200
QY 1201 CCGGCTAATTTAGATAAAAAAATATGAGCAATGGGGGTCTTGTATGTTGCCAGGCT 1260
DB 1201 CCGGCTAATTTAGATAAAAAAATATGAGCAATGGGGGTCTTGTATGTTGCCAGGCT 1260
QY 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
DB 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
QY 1321 CATTTTAAACAGTATACATCTTTTATTTAGTATACCTAGAAAGTAATAACAATGAT 1380
DB 1321 CATTTTAAACAGTATACATCTTTTATTTAGTATACCTAGAAAGTAATAACAATGAT 1380
QY 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAG 1440
DB 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAG 1440
QY 1441 CA 1442
DB 1441 CA 1442

RESULT 12
US-10-910-173-1
; Sequence 1, Application US/10910173
; Publication No. US20050090441A1
; GENERAL INFORMATION:

APPLICANT: Wands, Jack R
APPLICANT: de la Monte, Suzanne M
TITLE OF INVENTION: Inhibition of Neurodegeneration
FILE REFERENCE: 21486-047
CURRENT APPLICATION NUMBER: US/10/910.173
CURRENT FILING DATE: 2004-08-02
PRIOR APPLICATION NUMBER: US/09/872,968
PRIOR FILING DATE: 2001-06-01
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 1442
TYPE: DNA
ORGANISM: Homo sapiens
US-10-910-173-1

Query Match 100.0%; Score 1442; DB 9; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTCTGTTGCTCCAGGCTGGAGTGCATGGCGCAA 60
Db 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTCTGTTGCTCCAGGCTGGAGTGCATGGCGCAA 60
Qy 61 TCTCAGCTCACCGCAACTCCGCTCCCGGGTTCAAGCGATTCCTGCCTCAGCCTCCC 120
Db 61 TCTCAGCTCACCGCAACTCCGCTCCCGGGTTCAAGCGATTCCTGCCTCAGCCTCCC 120
Qy 121 CAGTAGCTGGGATACAGGATATGACCGATGTCACCGCTCGGCTAATTTGTTATTTTTTTAG 180
Db 121 CAGTAGCTGGGATACAGGATATGACCGATGTCACCGCTCGGCTAATTTGTTATTTTTTTAG 180
Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCCGACCTCAGATGATC 240
Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCCGACCTCAGATGATC 240
Qy 241 CTTCCGCTCTGGGCTCCCAAGTGTAGATACAGGATGGGACCATGCCCGGCTCTGCC 300
Db 241 CTTCCGCTCTGGGCTCCCAAGTGTAGATACAGGATGGGACCATGCCCGGCTCTGCC 300
Qy 301 TGGCTAATTTTGTGGTAGAACAGGTTTCACTGATGTCGCAAGCTGCTCTCTGAGC 360
Db 301 TGGCTAATTTTGTGGTAGAACAGGTTTCACTGATGTCGCAAGCTGCTCTCTGAGC 360
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Db 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTGGGATATACAGGCGTGCAGCGTGC 420
Qy 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCTTACCCAGGATGAAG 480
Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCTTACCCAGGATGAAG 480
Qy 481 TGCAGTGGTGTATCACAGCTCACTGCGGCTTCACTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGGTGTATCACAGCTCACTGCGGCTTCACTCTGAGATCAAGCATCTCTCTG 540
Qy 541 CTTCAGCTCCCAAGTAGCTGGGACCAAGACATGCCACTACACCTGCTGCTAAATTTTA 600
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Db 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
Qy 661 GGGCGAATCTGGCTCAGTGCACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCCA 720
Db 661 GGGCGAATCTGGCTCAGTGCACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCCA 720
Qy 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTAGCTAATTTTTTGTATTTT 780
Db 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTAGCTAATTTTTTGTATTTT 780
Qy 781 TAGTAGAGATGGGGTTTCAACATGTTCCCGCAGGTTGATCTTGTATCTCTGACCTTGTGATC 840

Db 781 TAGTAGAGATGGGGTTTCAACATGTTCCCGCAGGTTGATCTGTGACCTTGTGATC 840
Qy 841 TGCCTGCTCGGCTCCCAAGTGTGGGATATACAGCGTGAGCCACACCGCGGCTTA 900
Db 841 TGCCTGCTCGGCTCCCAAGTGTGGGATATACAGCGTGAGCCACACCGCGGCTTA 900
Qy 901 TTTTATTTTGTGTTTGAATGGAATCTCACTCTGTTTCCAGGCTGGAGTGAAT 960
Db 901 TTTTATTTTGTGTTTGAATGGAATCTCACTCTGTTTCCAGGCTGGAGTGAAT 960
Qy 961 GGGCAAAATCTCGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTGTCTCA 1020
Db 961 GGGCAAAATCTCGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTGTCTCA 1020
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Db 1021 GCCTCCCAAGCAGCTGGGATTCAGGGCACTGCGACACACCGCGCTAAATTTTGTATTT 1080
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Qy 1141 GACCCACTCTGCTCAGCTTCCAAAGTGTGGGATTAACAGCGTGAGCCACCTCACCAG 1200
Db 1141 GACCCACTCTGCTCAGCTTCCAAAGTGTGGGATTAACAGCGTGAGCCACCTCACCAG 1200
Qy 1201 CCGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260
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Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACCGCGCAGTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACCGCGCAGTCA 1320
Qy 1321 CATTTTTTAAACAGTACATCTTTATTTTAGTATCTAGTAAAGTAAATACATAAATG 1380
Db 1321 CATTTTTTAAACAGTACATCTTTATTTTAGTATCTAGTAAAGTAAATACATAAATG 1380
Qy 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTCTTTTATAAATTTTAAACAAAGCTTTAG 1440
Db 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTCTTTTATAAATTTTAAACAAAGCTTTAG 1440
Qy 1441 CA 1442
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RESULT 13
US-09-964-666-4
; Sequence 4, Application US/09964666
; Patent No. US20020104108A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wands, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,666


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; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-964-666-4

Query Match      84.8%; Score 1223.4; DB 3; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;

QY 2 TTTTCTTTTGTAGATGGAGTTTTCGGCTCTTGTGTCCTCCAGGCTGGAGTGCATGGGCGCAAT 61
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DB 598 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 657
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DB 658 GTGGCGCAATCTTGCTCAGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTCCTGCC 717
QY 719 CAGCTCTCTGAGTACGCTGGACTACAGGCGCCACAGCCTAGCTAATTTTGTATTT 778

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DB 718 CAGCCTCTGAGTAGCTGGGACTACAGGGGCCCAACAGCCTAGCTAATTTTGTATTT 777
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DB 778 TTTAGTAGAGATGGGGTTTCCACATGTTCCGCCAGGTTGATCTCTGACCTTGT 837
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DB 838 GATCTGCCCTGCTCCGCCCTCCCAAGTGTCTGGGATTACAGGACGTGACGCCACGCCCG 897
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DB 1137 CAGGTGACCCACCTCCTCAGCTTCCAAAGTGTGGGATTACAGGCGTGA--CGCTCA 1194
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DB 1255 AGGCTGGTCTCAAACTCTGCTTCAATCAATCTTCCAAATGAGCCACACACCCAGCC 1314
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DB 1374 ATGGCGGAACCTGCAAAATTCGAGTAGTAGACAGATCTTTT 1412

RESULT 14
US-09-964-412-4
; Sequence 4, Application US/09964412
; Patent No. US20020129391A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,412
; FILING DATE: 28-Sep-2001

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; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-964-412-4

Query Match      84.8%; Score 1223.4; DB 3; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;

QY 2 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTCTGTCCTGCTCCAGGCTGGAGTGCATGGCGCAAT 61
DB 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTCTGTCCTGCTCCAGGCTGGAGTGCATGGCGCAAT 60

QY 62 CTCAGCTCACCGCAACCTCCGCTCCGCGTTCAGCGATTTCTCTGCTCAGCTCCGCC 121
DB 61 CTCAGCTCACCGCAACCTCCGCTCCGCGTTCAGCGATTTCTCTGCTCAGCTCCGCC 120

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QY 300 CTGGCTAATTTTGTGGTAGAAGAGGTTTTCAGTGTGCGGAGCTGGTCTCTGAG 359
DB 299 CTGGCTAATTTTGTGGTAGAAGAGGTTTTCAGTGTGCGGAGCTGGTCTCTGAG 358

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DB 359 CTCAGAGCTCCACCTGCTCAGCTCCCAAGTGTGGGATACAGGCTGCAGCGCTG 418

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QY 540 GCTCAGCTCC-AGTAGCTGGGACCAAGACATGACACCTACACTACCTGGCTAATTT 598
DB 538 GCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACACCTACACTACCTGGCTAATTT 597

QY 599 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 658
DB 598 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 657

QY 659 GTGGGCAATCTTGGCTCAGTCAACCTCTGCTCCCGGTTCAAGTATTTCTCTGCC 718
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QY 719 CAGCTCTCTGAGTGTGGGACTACAGGCGCCACACCGCTAGCTAATTTTGTATT 778
DB 718 CAGCTCTCTGAGTGTGGGACTACAGGCGCCACACCGCTAGCTAATTTTGTATT 777

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RESULT 15
US-09-964-667-4
; Sequence 4, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>

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;	ATTORNEY/AGENT INFORMATION:									
;	NAME: Emond, Robert W.									
;	REGISTRATION NUMBER: 32,893									
;	REFERENCE/DOCKET NUMBER: 0609.4370000									
;	TELECOMMUNICATION INFORMATION:									
;	TELEPHONE: 202-371-2600									
;	TELEFAX: 202-371-2540									
;	INFORMATION FOR SEQ ID NO: 4:									
;	SEQUENCE CHARACTERISTICS:									
;	LENGTH: 1418 base pairs									
;	TYPE: nucleic acid									
;	STRANDEDNESS: both									
;	TOPOLOGY: both									
;	MOLECULE TYPE: cDNA									
;	SEQUENCE DESCRIPTION: SEQ ID NO: 4:									
;	US-09-964-667-4									
	Query Match	84.8%;	Score 1223.4;	DB 3;	Length 1418;					
	Best Local Similarity	96.9%;	Pred. No. 0;							
	Matches 1375;	Conservative	0;	Mismatches	31;	Indels	13;	Gaps	12	
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(without alignments)
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Searched: 8023312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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- 11: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	535.2	37.1	79528	8	US-10-276-233A-6
C 2	521	36.1	16856	12	US-11-112-908-59
C 3	521	36.1	170285	12	US-11-112-908-58
C 4	511.4	35.5	60729	7	US-10-330-773-841
C 5	501.6	34.8	193321	12	US-11-121-086-10
C 6	486.8	33.8	191684	12	US-11-121-086-2
C 7	480.6	33.3	178024	7	US-10-330-773-698
C 8	477.6	33.1	79544	7	US-10-330-773-741
C 9	477.6	33.1	171732	12	US-11-121-086-98
C 10	474.8	32.9	180654	12	US-11-121-086-58
C 11	473	32.8	155515	12	US-11-112-908-42
C 12	473	32.8	159660	12	US-11-112-908-43
C 13	473	32.8	17623	12	US-11-112-908-41
C 14	472.6	32.8	157224	12	US-11-112-908-51
C 15	472.6	32.8	170189	12	US-11-112-908-50
C 16	471.4	32.7	127340	12	US-11-112-908-35
C 17	469.6	32.6	172111	12	US-11-121-086-28
C 18	469.4	32.6	160226	12	US-11-121-086-29
C 19	468	32.5	153142	12	US-11-121-086-27
C 20	466.2	32.3	98862	12	US-11-121-086-76

C 21	463.4	32.1	318488	9	US-11-114-798-58
C 22	461.8	32.0	121736	9	US-11-114-798-49
C 23	461.2	32.0	179892	12	US-11-112-908-39
C 24	459.6	31.9	92199	9	US-11-114-798-50
C 25	458.4	31.8	1163	6	US-09-925-065A-35513
C 26	458.4	31.8	14271	8	US-10-995-561-13370
C 27	458.4	31.8	40000	8	US-10-995-561-13370
C 28	456.8	31.7	415117	8	US-10-995-561-13274
C 29	456.2	31.6	3766	12	US-11-124-367A-38
C 30	455.2	31.6	120096	12	US-11-121-086-24
C 31	451.8	31.3	79528	8	US-10-276-233A-6
C 32	449.6	31.2	150481	12	US-11-112-908-37
C 33	449.6	31.2	179892	12	US-11-112-908-39
C 34	449	31.1	150038	12	US-11-121-086-23
C 35	446.8	31.0	190882	12	US-11-121-086-69
C 36	446	30.9	130660	8	US-10-995-561-13253
C 37	444.6	30.8	159497	12	US-11-112-908-61
C 38	444.6	30.8	171427	12	US-11-112-908-60
C 39	442	30.7	126552	12	US-11-121-086-1
C 40	439.2	30.5	167891	12	US-11-121-086-14
C 41	439	30.4	26727	12	US-11-124-368A-2923
C 42	438	30.4	75007	8	US-10-995-561-13194
C 43	437.2	30.3	1620	6	US-09-925-065A-67041
C 44	436.8	30.3	1620	6	US-09-925-065A-67042
C 45	431.8	29.9	220895	8	US-10-775-169-88

ALIGNMENTS

RESULT 1

US-10-276-233A-6/c
; Sequence 6, Application US/10276233A
; Publication No. US20050260572A1
; GENERAL INFORMATION:
; APPLICANT: DNA Chip Research Inc.
; TITLE OF INVENTION: A method of predicting cancer condition
; FILE REFERENCE: PH-1533-PCT
; CURRENT APPLICATION NUMBER: US/10/276,233A
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: JP 2001-73063
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: JP 2001-108503
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: JP 2001-234807
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 3.2
; SEQ ID NO 6
; LENGTH: 79528
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-276-233A-6

Query Match 37.1%; Score 535.2; DB 8; Length 79528;
Best Local Similarity 71.7%; Pred. No. 0.056;
Matches 911; Conservative 0; Mismatches 283; Indels 76; Gaps 13;
QY 1 TTTTCTTTTGGATGGAGTTTCCTCTCTGTTGTCGCCAGGCTGAGTGCATATGCGCAA 60
DB 49407 TGTGTGTTGTTGTCGAGACAGAGTCTCACTCTGTTGCCGAGCTGAGTGCACAG 49348
QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAGCGATTCTCTCGCTCAGGCTCCC 120
DB 49347 TCTTGGCTCACTGCAACCTCTGCTCTCTGGGCTTAAGCGATTCTCTGCTGAGCTCCC 49288
QY 121 CAGTAGCTGGGATTACAGGCATATGTCACCCAGCTCGGCTAATTTTGTATTTTTTTTAG 180
DB 49287 AAGTAGCTGGGATTGTCAGCGTGCACCCCATGCCCACTAATTTT---TTGATTTTAT 49231
QY 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGCTCGAACTCCCGACCTCAGATGATC 240

Db 132244 CTTACCTCCAGGTTCAAGGATTTCTCTGCTCAGCTCCCGAGTAGCTGGAGTACA 132185
 Qy 1045 GGCACCTGCCACACACCCCGCTAATTTTGTATTTTCAATTTAGAGCGGGGTTTCAACAT 1104
 Db 132184 GCGCATGCCACACACCTGGCTAATTTTGTATTTTCAATTTTGTATTTTCAAC--T 132127
 Qy 1105 ATTTCTCAGGCTGGTCTCAAACTCTGACCTCAGCTGACCCACCTGCTCAGCTTCCAA 1164
 Db 132126 GTTAGCCAGGCTGGTCTCAACTCTGACCTC--GTGATCTGCTTGCCTCAGCTTCCCA 132069
 Qy 1165 AGTCTGGGATTTACAGGCTGAGCCACCTCACCCAGCG 1203
 Db 132068 AGGCTGGATTTACAGGATGAGTCACCATGCTGCTG 132030

RESULT 4

US-10-330-773-841/c
 ; Sequence 841, Application US/10330773
 ; Publication No. US20060040262A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David W. Morris
 ; APPLICANT: Marc Malandro
 ; TITLE OF INVENTION: Novel
 ; FILE REFERENCE: 529452001300
 ; CURRENT APPLICATION NUMBER: US/10/330,773
 ; CURRENT FILING DATE: 2002-12-27
 ; NUMBER OF SEQ ID NOS: 981
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 841
 ; LENGTH: 60729
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(60729)
 ; OTHER INFORMATION: n = A,T,C or G
 US-10-330-773-841

Query Match 35.5%; Score 511.4; DB 7; Length 60729;

Best Local Similarity 68.8%; Pred. No. 0.13; Matches 910; Conservative 0; Mismatches 361; Indels 52; Gaps 13;

Qy 4 TTTTGTGAGATGAGTTTTCGCTCTGTTGCCAGGCTGGAGTGCATGCGCAATCT 63
 Db 37510 TTTTGTGAGATGAGTCT--CTGTGTTACCCAGGCTGGAGTGCATGATCT 37453
 Qy 64 CAGCTCACGCACTCCGCTCCCGGTTCAAGGATTTCTGCTCAGCTCCCGAG 123
 Db 37452 CGGCTCACTGCAACCAACCACTCCCGGTTCAAGGATTTCTGCTCAGCTCCCGAG 37393
 Qy 124 TAGCTGGGATTTACAGGATGTGCACCGCTCGGCTAATTTTGTATTTTGTAGTAG 183
 Db 37392 CAGTTGGGACTACAGGACACATCCATGCGCCGGCTAATTTT--TGATTTTGTAGTAG 37336
 Qy 184 AGATGAGTTTCTCCATGTTGTGAGGCTGGTCTCGAATCCCGACCTCAGATGATCCCT 243
 Db 37335 AGACGCGTTTCAACATGTTGCCAGGCTGGTGTGAATCTGACCTC--ATGATCCAC 37278
 Qy 244 CCGTCTCGGCTCCCAAGTGTAGATACA---GGACTGGCCACCATGCGCGCTCTGCC 300
 Db 37277 CCGCTCAACCTCCCAAGTGTGGATTTACAGGATAGCCAGTGCACCTGCGCCAAAGC 37218
 Qy 301 TGGCTAATTTTGTGTAGAAACAGGTTTCTGATGTGCCAAGCTGGTCTCTGTAGC 360
 Db 37217 TTAGTAATTTTCTATGCGCAATGTTTAGGTCTCTTGGCATGATCCACAGCTGACTTTTA 37158
 Qy 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTCTGGG--ATACAGGCTGACG 414
 Db 37157 GTGGCAGTAGGCTTGGGAATCTCTCCCTCTAGAGCAGTGTACTTAACCTTTTGTAG 37098
 Qy 415 CCGTGCCTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGCCACTTTACCCAGG 474
 Db 37097 CTTGGACCCCTTATGTCTCTCTCTTTTATAGAGACAGGTTCTCACTTTGGGGCCAGG 37038

Qy 475 ATGAGTG---CAGTGGTGTGATCAGCTCACTGCAGGCTTCAACTCTCTGAGTCAAG 530
 Db 37037 TAGACAGGGCAATAGTGGCAATCATAGCTCACTGCAGGCTCAACTCTCTGGGCTTAG 36978
 Qy 531 C-ATCTCTCTGCTCAGCTCCCAAGTAGTGGGACCAAGACATGACCACTACACCTG 589
 Db 36977 TGATCTCTGCTCAGCTCCCTGAGTAGCTAATACAAAGGTATGACACCCCATGACTG 36918
 Qy 590 GCTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 649
 Db 36917 GC-----ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36869
 Qy 650 TGGAGTCAGTGGGCAATCTTGGCTCAGTCAACCTCTGCTCCCGGTTCAAGTTTATTT 709
 Db 36868 TGGAGTCAGTGGTGGATCTTGGCTCAGTCAAGCTCCGCTCTGCTGTTTCAAGCTTATTT 36809
 Qy 710 CTCCTGCCAGCTCTCTGAGTAGCTGGGACTACAGGCGCC---CACACGCTTAGCTAA 766
 Db 36808 CTCCTGCCCTCAGCTCTCTGAGTAGCTGGGACTACAGAGGCGCTCACCACGCTGGCTAA 36749
 Qy 767 TTTTGTGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 826
 Db 36748 TTTTGTGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36689
 Qy 827 TGGACCTTGTGATCTGCTGCTCGGCTCCCAAGTGTCTGGGATTTACAGGCTGAGCCA 886
 Db 36688 CTGACCTCGTATCCACTGCTCGGCTCCCAAGTGTCTGGGATTTACAGAGTGAACA 36629
 Qy 887 CCAGCGCGGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 946
 Db 36628 CCAGCGCGGCTT-----CTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36576
 Qy 947 GGCCTGAGTGCATTTGGCCAAATCTCGGCTCTGCTGCACTCTGCTCCGCGCTCAAGCG 1006
 Db 36575 GGCCTGAGTGGAGTGGTGCATCTCAGCTCATCCCACTCTCAGCTCTGAGCACAAGTG 36516
 Qy 1007 ATTCTCTGCTCAGCTCCCAAGCAGCTGGGATTTAGGGCACTGCGCCACCAACCCCGC 1066
 Db 36515 ATCTCTCAGCTCAGCTCTCTGAGTAGCTGAGTACTACAGGCAACCTTACACACCTGGC 36456
 Qy 1067 TAAATTTTG-----TATTTTCAATTAGAGCGGGTTTACCATATTTTGTAGGCTGGTCT 1121
 Db 36455 TAAATTTTGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36396
 Qy 1122 CAAACTCTGCTCAGTGCACCTGCTGCTGCTTCCAAAGTGTCTGGATTTACAGG 1181
 Db 36395 TAAACACCTGGGCTCAAGTGTATCCAGCTGCTCTCTCTGTCAAAGTGTCTGGATTTACAGG 36336
 Qy 1182 CGTGAGCCACCTCACCAGCGGCTAATTTTAGATAAAAAATATGTAGCAATGGGGGCTC 1241
 Db 36335 TATGAGCCACCAAGCTAGCTTATTTT-----TAAATTTTGTAGAGTGGAGTCT 36281
 Qy 1242 TTGCTATTTGCCAGGCTGGTCTCAAACTTTCTGCTTTCATGCAATCTTCCAAATGAGC 1301
 Db 36280 TCGATTTGTGCAAGGCTAGTCTTGAACCCCTGSCCTCAAGTGTCTCTATACCTCAGC 36221
 Qy 1302 CAC 1304
 Db 36220 CTC 36218

RESULT 5

US-11-121-086-10
 ; Sequence 10, Application US/11121086
 ; Publication No. US20050266459A1
 ; GENERAL INFORMATION:
 ; APPLICANT: POULSEN, TIM S.
 ; APPLICANT: NIELSEN, KIRSTEN V.
 ; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 ; FILE REFERENCE: 09138.6000-00000
 ; CURRENT APPLICATION NUMBER: US/11/121,086
 ; CURRENT FILING DATE: 2005-05-04

;; PRIOR APPLICATION NUMBER: 60/567,570
;; PRIOR FILING DATE: 2004-05-04
;; NUMBER OF SEQ ID NOS: 107
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 10
;; LENGTH: 199321
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-11-121-086-10

Query Match 34.8%; Score 501.6; DB 12; Length 199321;
Best Local Similarity 69.4%; Pred. No. 0.064;
Matches 866; Conservative 0; Mismatches 319; Indels 63; Gaps 11;
QY 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATATGGCGCAA 60
DB 73731 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATATGGCGCGC 73789
QY 61 TCTCAGCTACCGCAACCTCCCGCTCCCGGTTCAAGCGATTTCTCTGCTCAGCTCC 120
DB 73790 TGTCACTCAGCGCAACCTCCCGCTCCCGGTTCAAGCGATTTCTCTGCTCAGCTCC 73849
QY 121 CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAAATTTTGTATTTTGTAG 180
DB 73850 AAGTAGCTGGGATTACAGGCATGTGCACCCAGTCCCTGTATTTT---TGTATTTGG 73906
QY 181 TAGAGATGGAGTTTCTCCATGTGTGTCAGGCTGTGCTCGAACTCCGACCTCAGATGATC 240
DB 73907 TAGAGACGGGTTTCTCCATGTGTGTCAGGCTGTGCTCGAACTCCGACCTCAGGTTGATC 73966
QY 241 CTTCCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCGCGCTCGCC 300
DB 73967 TACCCGCTCAGCTCCCAAGTGTAGGATTAAGAGTGGAGCCACAGTGCCTCAATGGA 74026
QY 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCC--TGA 358
DB 74027 TTTTCTTTCTTTTCTGAGCGGAGTCTTGTCTGTGTGCCAGGCTGGAGTGCAGTGA 74086
QY 359 GCTCAAGCATGTCACCTGCTCAGCTCCCAAGTGTGGGATTAAGCGCTGCGACCGGT 418
DB 74087 CATGATCTCGGCGCACTCGCTCCCGGTTCAAGCAATCTGTCTCAGCCTC 74146
QY 419 GCTCGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 478
DB 74147 CCGAGTAGTGTGATTTACATGCGCTCGCCACCATGCTCGCTAAATTTTGTATTTTAT 74206
QY 479 AGTGAGTGTGTGATCACA--GCTCAGTGCAGCTTCAACTCTCTGAGATCAAG--CATCC 535
DB 74207 AGAGACAGGTTTCAACATATCGTTCAGGCTGTCTCGAAATCTTGACCTGAGGTGATCC 74266
QY 536 TCTCGCTCAGCTCCCAAGTGTGGGACCAAGACATGCAACCACTACACCTGGCTAAT 595
DB 74267 GCCCACCTCAGCTCCCAAGTGTGAGATTACAGCGTGAATACACGCTCGCGGAT 74326
QY 596 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 655
DB 74327 TTTTCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 74375
QY 656 CGAGTGGCGCAATCTTGGCTCACTGCAACTCTGCTCCCGGTTTCAAGTTATTTCTCTG 715
DB 74376 GCAATGGCTGATGTGTGTTCTACTGCACTCTGCTCCAGGTTTCAAGCGATTTCTCTG 74435
QY 716 CCCCAGCTCTGAGTAGTGGGACTACAGGCGCCCAACA--CGCTAGTCTAATTTTGTG 774
DB 74436 CCTCATCTCTGAGTAGTGGGACTACCGGATGCGGCACCAACGCTGTCTGATTTTGT 74495
QY 775 TATTTTATTTAGATGAG--GGTTTACCATGTTGCGCAGGTTGATCTTGAATCTTGGACT 833
DB 74496 TATTTTATTTAGTAAAGCGGATTTTCACTCCATGTTGGCCAGGCTGGTCTCAAACTCTTGACCT 74555
QY 834 TGTGATCTGCTCGCTCCCAAGTGTGCGGATTTACAGGCGTGCAGCCACCAACGCTC 893
DB 74556 CGTGATCCAGCCACCTCGGCTCCCAAGTGTGAGATTTACAGGCGGAGTCAACCGCT 74615

QY 894 CGGC-----TTATTTTAAATTTTGTGTT 919
DB 74616 CGGCCCGGATCATTTTAACTCATCTTCCAGTTTATTTGTTGTTGTTT 74675
QY 920 TGAATGGAATCTCACTCTGTGTACCCAGGCTGGAGTGCATATGGCCAAATCTCGGCTCACT 979
DB 74676 TGAGACGGAGTCTTGTCTGTCAACCAAGGCTGGAGTGCAGTG---CGATCTCAGCTCACT 74732
QY 980 GCAACTCTGCTCCCGGCTCAAGGATTTCTCTGCTCAGGCTCCCAAGCAGCTGGGA 1039
DB 74733 GCAGCTCTGCTCCAGGTTCAAGTGTCTCTGCTCGCTCCAGTCCCAAGTAGTGGGA 74792
QY 1040 TTACGGGCACTTCCACCAACACCCCGCTAA-----TTTTTGTATTTTATTAGAGCGGG 1095
DB 74793 CTACAGGCGTGTACTGCCACACCCAGCTAAATTTTGTATTTTATTAGTAGATGGG 74852
QY 1096 TTTTACCATATTTGTGAGGCTGTCTCAAACTCTGAGCTCAGGTGACCCACCTGCTCA 1155
DB 74853 TTTTACCATGTTGGCCAGGCTGTCTCTAACTCTGAGCTCAGATGATCCGCCACCTCG 74912
QY 1156 GCCTTCCAAAGTGTGGGATTACAGCGTGCAGCCACTCACCGCG 1203
DB 74913 GCTTCCAAAGTGTGGGATTACAGGAGTGTCTTCCACGCTCTGCTG 74960

RESULT 6

US-11-121-086-2/c
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-0000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 191684
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-2

Query Match 33.8%; Score 486.8; DB 12; Length 191684;
Best Local Similarity 67.5%; Pred. No. 0.099;
Matches 826; Conservative 0; Mismatches 372; Indels 26; Gaps 9;

QY 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTTGTGCGGCTGGAGTGCATATGGCGCAA 60
DB 70067 TTTGTTTGTGTTGAGACAGAGTCTCACTGTGTCAACCCAGGCTGGAGTGCATATGGCG 70008
QY 61 TCTCAGCTCAGCGCAACCTCCGCTCCCGGTTTCAAGCGATTTCTCTGCTCAGCTCCC 120
DB 70007 TCTCGCTCACTCAGGCTCCGCTCCCGGTTTCAAGTGTCTCTTGGCTCCACCTCCC 69948
QY 121 CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
DB 69947 AAGTAGCTGGGATTACAGGCATGTGCACCCAGCTGGCTAATTTT---TGTATTTTGTAG 69891
QY 181 TAGAGATGGAGTTTCTCCATGTGTGTCAGGCTGTCTGCAACTCCGACCTCAGATGATC 240
DB 69890 CAGAGACAGGTTTTCACATGTTGGCCAGGCTGTCTGAACTCTTGAACCTCAGGTGACC 69831
QY 241 CCTCCGCTCTCGGCTCCCAAGTGTCTAG--ATACAGGACTCGGCCACCAATGCCGCTCTG 298
DB 69830 TGCTCACTTTGGCTCTCCCAAGTGTCTGGATTAAGCGTGTGAGCCACCGTGCCTGGCACAC 69771
QY 299 CTTGGCTAAATTTTGTGGTAGAAACAGGGTTTCTCATGTGTGCCCAAGCTGGTCTCTGTA 358

[illegible]

RESULT 7

RESULTS
US-10-330-773-698

03-10-550-73-038
: Sequence 698, Application US/10330773

; Publication No. US20060040262A1

GENERAL INFORMATION:

APPLICANT: David W. Morris

APPLICANT: Marc Malandro

; TITLE OF INVENTION: Novel Compositions and Methods in Cancer

; FILE REFERENCE: 529452001300

; CURRENT APPLICATION NUMBER: US/10/330,773

```

; CURRENT FILING DATE: 2002-12-27
;
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 698
; LENGTH: 178024
; TYPE: DNA
; ORGANISM: Homo sapiens
;
; FEATURE:
;
; NAME/KEY: misc feature
; LOCATION: (1)..(178024)
; OTHER INFORMATION: n = A,T,C or G
US-10-330-773-698

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Query Match.	33.3%;	Score 480.6;	DB 7;	Length 178024;
Best Local Similarity	69.6%;	Pred. No. 0.12;	314;	Indels 62; Gaps 13;
Matches 861; Conservative	0;	Mismatches	0;	
QY	1	TTTTTTTTTTTGAGATGGAGTTTTTCGCTCTTGTGTGCCAGGCTCGAGTGCATATGCGCAA	60	
Db	123012	TTCTTTTTTTTGAGAGAGATAGTCTGGCTCAGTCGCCAGGCTGGAGTGCAGTGGTGGGA	123071	
QY	61	TCTCAGCTCACGGCAACTCCGGCTCCGGGTTCAAGGGATTCTCTGCCTCAGGCTCC	120	
Db	123072	TCTCGGCTCGTGCAACTCCGGCTCTCGGTTTCAAGCGATTCTCTGTCTCGGCTCCC	123131	
QY	121	CAGTAGCTGGGATTTACAGGATGTGCACCCACGCTCGGCTAAATTTGTATTTTTTTTTTAG	180	
Db	123132	AAGTAGCTGGGACTAAGGGGCCACACACAGGCCCATCTAATTTT---TGTATTTTTTAG	123188	
QY	181	TAGAGATGGAGTTTCTCCATGTGGTCAAGGCTGTCTCGAACTCCGACCTCAGATGATC	240	
Db	123189	TAGAGACGGGGTTTCAACATTTGGCCAGGATGGTCTCAATCTCTTGACCTC--GTCATC	123246	
QY	241	CCTCGGCTCGGCTCCCAAGTCTAG--ATACAGGACTGSCACCATGCGCGCTCTG	298	
Db	123247	CACCGGCTCAGCTCCCAAGTGTGGGATTAAGGCGTGAGGACCGGACCTGGCCTC	123306	
QY	299	CCTGGCTAAATTTTTGTGTGAACACAGGGTTTCACTGATGTGCCAACCTGGTCTCTCTGA	358	
Db	123307	TTTCGTTCTTTCTCCCTTTCTTCTCTCTTT-----TCTTCTTTCTCTGT	123351	
QY	359	GCTCAAGAGTGCACCTGCCTCAGGCTCCCAAGTGTGGGATACAGGCGTGCAGCCGT	418	
Db	123352	CTTTTCTGTGTTTCTGAATTTCTTCTTTCATGATTAGTGTCTTAA---TTTCTCTGT	123409	
QY	419	GCCTGGCCTTTTATTTTTTATTTTTTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGA	478	
Db	123410	TGTGTTGTTGGTGTGTTGTTTGTTTTTTGAACAGTCTTGCTCTGTTACCGAGCTGG	123469	
QY	479	AGTGCAGTGTGTGATCAACGCTCACTCAGCGCTTCAACTCTCTGAGATCAAGC-ATCCTC	537	
Db	123470	AGTGCAGTGTGGCGAGTCAACAGCTTACTGTATCTTGAACCTCTCTGAGCTCAAGCAATCTCTC	123529	
QY	538	CTGCTCAGCGCTCCCAAGTAGCTGGGACCAAGACATGCACCACCTACACCTGGCTAAATTT	597	
Db	123530	CAACCTCAGTCTCCCAAGTAGCTGGGACCAAGGACACATCAACACACCCAACTAATTT	123589	
QY	598	TTATTTTTAT-----TTTTTAATTTTTTTGAGACAGAGTCTCAACTGTG	639	
Db	123590	ATTATTTTATTTATTTATTTATTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	123648	
QY	640	TCACCCAGGCTGGAGTGCAGTGGCGCAATCTTGGCTCACTGCAACTCTGCTCCCGGT	699	
Db	123649	TGCCCCAGGCTGGAGTACAGTGGCGGATCTCGGCTCATTTGAAGCTCCGCTCCCGGT	123708	
QY	700	TCAAGTATTCTCTGCCCCCAGCCTCCTGAGTAGCTGGGACTACAGGCGCCCAACCGCC	759	
Db	123709	TCAACGCCATTCTCGTGCCTCAGCCTCCGAGTAGCTGGGACTACAGGACCCACACCCAC	123768	
QY	760	TAGC-----TAATTTTTTTTGTATTTTATGATAGATGGGG--TTCCACATGTTCCGAGGT	813	
Db	123769	ACCCGGCTAAATTTTTTGTATTTTATTTTATGATAGACGGGGTTTCACTATGTTGCCAGGA	123828	


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QY 814 TGATCTTTGATCTCTGGACCTTGTGATCTGCTCGCTCGGCTCCCAAGTGTCTGGATTA 873
Db 123829 TGGTCTTGATCTCTGATCTGTGATCTGCTCGGCTCCCAAGTGTCTGGATTA 123888
QY 874 CAGCGGTGAGCCACCCAGCCCGGC- --TTATTTTAAATTTTGTGTTTGTGAAATGCAAT 930
Db 123889 CAGCGGTGAGCCACCCAGCCCGGCAGCAATTTATTTGTTATTTATTTTGTGACAGGGT 123948
QY 931 CTCACTCTGTATCCAGGCTGGAGTGCATGG- CCAATCTCGGCTCACTGCAACCTCTG 989
Db 123949 CTGCTCTGTGTGCGCAGGCTGGAATGCAAGTGTGATGATCACAGCTCACTGCAAGCTCAG 124008
QY 990 CTTCCCGGGCTCAAGCAATCTCTGCTCTCAGCTCCCAAGCAGCTGGGATTAACGGGCAC 1049
Db 124009 CTTCCCAAGCTCAAGCAATCTCTGCTCTCAGCTCCCAAGCAGCTGGGATTAACGGGCAC 124068
QY 1050 CTGCCACCAACCCCGCTAAATTTTGTATTTTCAITTAGAGCGGGGTTTCAACCATATTTG 1109
Db 124069 ATACCACCATGCCAGCTAATTTTGTGTA-----GAGAGAGGGGTCTCACCATTTGC 124120
QY 1110 TCAGGCTGTCTCAAACTCTGACCTCAGGTGACCACTGCTCAGCTTCCAAAGTGC 1169
Db 124121 CCAGGCTGTCTCAGTTTCTCGGCTCAAGCAATCTGCCACCCAGGCTTCCATAGAGC 124180
QY 1170 TGGGATTAACAGGCTGAGCCACCTCACCCAGCGGCT 1206
Db 124181 TGGGATTAACAGGCTGATCTACCAACCCAGGCT 124217

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RESULT 8

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US-10-330-773-741/c
; Sequence 741, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 741
; LENGTH: 79544
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-773-741

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Query Match 33.1%; Score 477.6; DB 7; Length 79544;
Best Local Similarity 69.0%; Pred. No. 0.26;
Matches 952; Conservative 0; Mismatches 259; Indels 169; Gaps 15;

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QY 1 TTTTATTTTGTGAGTGGAGTTTTCGCTCTGTGTCAGGCTGGAGTGCATGGGCAA 60
Db 30949 TTAATTTTGTGAGCAGAGTTTTCGCTCTGTGTCAGGCTGGAGTGCATGGGCAA 30891
QY 61 TCTAGCTCACCGCAACCTCCGCTCCGCTTCAAGCGAATTTCTCTGCTCAGGCTCC 120
Db 30890 TCTGCTCACTGCAACCTCCGCTCCGCTTCAAGCGAATTTCTCTGCTCAGGCTCC 30831
QY 121 CAGTAGCTGGGATTAACAGCATGTGACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
Db 30830 AGGTAGCTGGGATTAACAGCATGTGACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
QY 181 TAGAGATGGAGTTTCTCCATGTTGTTCAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 240
Db 30774 TAGAGATGGGTTTACCAAGTTGTTCAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 30715
QY 241 CTTCCGCTCTCGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCAATGCGGCTCTGCTGCC 300
Db 30714 AC-CCGCTTGTGTCTCCCAATGTCTGGGATTAACAGATGTGAGCCACTGCTCTCGGCTAA 30656
QY 301 TGGCTAATTTTGTGGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGT-----CTC 354

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Db 30655 TTTTGTGATTTTGTAGTAGAGACGGGTTGCAATCATGTTGGCCAGGCTGCTCGAATC 30596
QY 355 CTGAGCTCAAGCAGTCCAGCTCGCTCAGCTCCCAAGTGTGGGATTAACAGGCT--GC 412
Db 30595 CTGAGCTCAAGTGTATCCAGCTGCTTGGCTCCCAAAATGCTGGGATTAACAGGCTGAGC 30536
QY 413 AGCGGTGCTCGGCT-----TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 461
Db 30535 CACCATGCTCGGCTAAACTTGTGTGTTGTTTTTTTTTTTTTTTTTTTTTGTAGACAAGAGTCTCAC 30476
QY 462 ACTCTTACCAGGATGAAGTGCAGTGTGTGATCAAGCTCACTGAGGCTTCAACTCTCT 521
Db 30475 TCTGTGTCAGGCTGGGCTGAGTGTGCAATCTCGGCTCACTGCAAGCTCCGCTCTCT 30416
QY 522 GAGATCAAG- CATCTCTCTGCTCAGCTCCCAAGTGTGGACCAAGAGATACACCA 580
Db 30415 GGGTCAAGTGAATCTCTGCTCAGCTCCGCTCAGCTCCGAGTGTGAGATACAGTATGACCA 30356
QY 581 CTACACCTGGCTAATTTTATTTT----- 605
Db 30355 CCACACCGGCTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 30296
QY 606 ----- 605
Db 30295 TGGTCTGGAATCTCTGATCTCAGTGTGATTCGCTCTGCTGCTCCCAAGTGTGGAT 30236
QY 606 -----ATTTTAAATTTTGTAGACAGAGT 529
Db 30235 TATAGGATGAGCACTGAGCCAGCTGAACTGTTTTTTTTTTTTTTTTTGTAGACAGAG 30176
QY 630 CTCAACTCTGTCAACCCAGGCTGGAGTGCAGTGGCGCAATCTTTGGCTCACTGCAACCTCTG 689
Db 30175 TATTGCTCTGTCAACCCAGGCTGGAGTGCAGTGGCGATCTTTGGCTCATTTGCAACTCTG 30116
QY 690 CTTCCCGGGTTCAAGTATTTCTCTGCCCCAGCTCTCTGAGTGTGGAGTACAGGCTC 749
Db 30115 CTTCCAGGTTCAAGGATTTCTCTGCTCAGCTCCCAAGTGTGGGACTATAGGCTC 30056
QY 750 CCACCAACCCAGCTAGCTAATTTTGTGATTTTGTAGTGTGGGTTTCAACATGTTCTG 807
Db 30055 AGCCACCAACCCAGCTAGCTAATTTTGTGATTTTGTAGTGTGGGTTTTCGCTATTTGG 29996
QY 808 CAGGTTGATCTGTGATCTCTGACCTT--GTGATCTGCTGCTCGGCTCCCAAGTGC 865
Db 29995 TCAGGCTGTATCGAATCTCTGACCTTAGTTGATCCACTCGGCTTGGCTCCCAAGTGC 29936
QY 866 TGGGATTAACAGGCTGAGCCACCGCCCG--CTTATTTTAAATTTTGTGTTGTTGAA 923
Db 29935 TGGGATTAACAGGCTGAGCCACTGCAACCGGCTTAAACCTTTTTTTTTTTTTTTTTTTGAG 29876
QY 924 ATGGAATCTCACTCTGTTTACCAGGCTGGAGTGCATGGCCAAATCTCGGCTCACTGCAA 983
Db 29875 ACGGAGTCTCTCCCTGTCACTTAGCTGGAGTGCAGTGGCGATCTCAGCTCACTGCAA 29816
QY 984 CTTCTGCTCCCGGCTCAAGCAATTTCTCTGCTCAGCTCCCAAGCAGCTGGGATTAAC 1043
Db 29815 CTTATGCTCCAGGTTCAAGGATTTCTTCTGCTCAGCTCCTGAGTGTGGGATTAAC 29756
QY 1044 GGGCACTGTGCCACCAACCCGCTAATTTTGTATTTTCAATTAGAGCGGGTTT--CACC 1102
Db 29755 AGG---CGTGACCAACACCCGCTAATTTTGTATTTTGTAGCAGAGAGCGGGTTTCCACC 29699
QY 1103 ATATTTGTCAAGGCTGCTCAAACTCTGAGCTCAGGTGACCCAGCTCGCTCAGGCTTCC 1162
Db 29698 ACCTTAGCAGGCTGGTCTTGAATCTCCGACT--GATGATCCACCCACCTCGGCTCTCC 29641
QY 1163 AAGTGTGGGATTAACAGGCTGAGCCACTCACCAGCCGCTAATTTAGATAAAAAA 1222
Db 29640 AAGTGTGAGATTAACAGGATGAGCCACCGGCCAGGCTGAATTTGGTTTTTAAAAAGA 29581

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US-11-121-086-98
; Sequence 98, Application US/11121086
; Publication No. US2005026459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 98
; LENGTH: 171732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-98

Query Match      33.1%; Score 477.6; DB 12; Length 171732;
Best Local Similarity 66.3%; Pred. No. 0.14;
Matches 862; Conservative 0; Mismatches 384; Indels 54; Gaps 10;

QY 1 TTTTCTTTTTCAGATGAGTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATGGCGCAA 60
DB TTTTCTTTTTCAGATGAGTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATGGCGCAA 89630

QY 61 TCTCAGCTCACCGCAACTCCGCCCTCCCGGGTTTCAAGCGATTCTCCTGCCTCAGCC-TCC 119
DB TCTCAGCTCACCGCAACTCCGCCCTCCCGGGTTTCAAGCGATTCTCCTGCCTCAGCC-TCC 89630

QY 120 CCAGTAGCTGGGATTACAGGCATGTGCACCCACGCTCGGCTAAATTTTGTATTTTATA 179
DB CCAGTAGCTGGGATTACAGGCATGTGCACCCACGCTCGGCTAAATTTTGTATTTTATA 89746

QY 180 GTAGAGATGGAGTTTCTCATGTTGGTCAGGCTGTCTGCAACTCCGCACTCCAGCTCATGAT 239
DB GTAGAGATGGAGTTTCTCATGTTGGTCAGGCTGTCTGCAACTCCGCACTCCAGCTCATGAT 89746

QY 240 CCCTCCGCTCGGCCCTCCCAAGTGTAGATACAGACTGGCCACCATGTCGCCGGCTCTGC 299
DB CCCTCCGCTCGGCCCTCCCAAGTGTAGATACAGACTGGCCACCATGTCGCCGGCTCTGC 89806

QY 300 CTGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTGAG 359
DB CTGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTGAG 89867

QY 360 CTCAGCAGCTCCACCTGCTCAGCCTCCCAAGTGTGGGATTACAGGCTGCAGCCGTG 419
DB CTCAGCAGCTCCACCTGCTCAGCCTCCCAAGTGTGGGATTACAGGCTGCAGCCGTG 89926

QY 39927 CTTTTCCCTAGTGTCTGTAAATACAGCAATTCAGATTTGTTCTTCTACTCAAAATATAAT 89986
DB CTTTTCCCTAGTGTCTGTAAATACAGCAATTCAGATTTGTTCTTCTACTCAAAATATAAT 89986

QY 420 CTGGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 479
DB CTGGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 89987

QY 480 GTGCACTGTGTGATCACAGCTCAGCTGAGCCCTTCAACTCTTGTGATCAAGCATCCTCT 539
DB GTGCACTGTGTGATCACAGCTCAGCTGAGCCCTTCAACTCTTGTGATCAAGCATCCTCT 90047

QY 540 GCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCATACACTACACTGGCTGATTTT 599
DB GCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCATACACTACACTGGCTGATTTT 90127

QY 600 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 659
DB ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 90128

QY 660 TGGCGCAATCTTGGCTCAGTCAACCTCTGCTTCCCGGGTTCAAGTATTTCTCTGCCCT 719
DB TGGCGCAATCTTGGCTCAGTCAACCTCTGCTTCCCGGGTTCAAGTATTTCTCTGCCCT 90187

QY 69188 TGGCGGATCTCAGATCAGTCAATCTCGGCTCCCGAGTTTCAAGCAATTTCTCTGCCCT 90247
DB TGGCGGATCTCAGATCAGTCAATCTCGGCTCCCGAGTTTCAAGCAATTTCTCTGCCCT 90247

QY 720 AGCCTCTGTAGTGGGACTACAGGCGCCACAGGCTAGCTAAATTTTGTATTT 779
DB AGCCTCTGTAGTGGGACTACAGGCGCCACAGGCTAGCTAAATTTTGTATTT 90247

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DB 90248 AGCTCTCTGAGTAGCTAGGATTACAGTGCATGCCACCACAGCTAAATTTTGTATTTT 90307
QY 780 TTAGTAGAGATGGGGTTTCCATGTTTCGCAGGTTGATCTTGTGATCTCTGACCT--TGTG 837
DB TAGTAGAGACAGGGTTTTCACATGTTTGGCCAGGCTGCTCTCAAACTTCTGACCTCAAGTG 90367
QY 838 ATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGCTGAGCACCACAGCCCGGC 897
DB ATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGCTGAGCACCACAGCCCGGC 90427
QY 898 TTATTT--TTAAATTTTGTGTTTGAATGGAATCTCACTC-TGTTACCCAGGCTGGAG 954
DB TTATTTTTTGTGTTTGAATGGAATCTCACTC-TGTTACCCAGGCTGGAG 90487
QY 955 TGAATGGCCAAATCTCGGCTCACTGCAACTCTGCTCCGGCTCCAGGCTCAAGGATTCCT 1014
DB TGAATGGCCAAATCTCGGCTCACTGCAACTCTGCTCCGGCTCCAGGCTCAAGGATTCCT 90487
QY 90488 TGCAGTGGCAGATCTCAGATCGTCAACCTCTGCCCCCAGGTTTCAAGAGATTCCTCT 90547
DB TGCAGTGGCAGATCTCAGATCGTCAACCTCTGCCCCCAGGTTTCAAGAGATTCCTCT 1014
QY 1015 GTCTCAGCCTCCCAAGCAGCTGGGATTACGGGACCTGCGCACACACCCGCTAA-TTTT 1073
DB GTCTCAGCCTCCCAAGCAGCTGGGATTACGGGACCTGCGCACACACCCGCTAA-TTTT 90607
QY 1074 TGTATTTTCAATTAGAGCGGGTTTTCACCATATTTTGTGAGGCTGTTCTCAAACTCTGAC 1133
DB TGTATTTTCAATTAGAGCGGGTTTTCACCATATTTTGTGAGGCTGTTCTCAAACTCTGAC 90667
QY 1134 CTCAGGTGACCCACTGCTGCTCAGCTTCCAAAGTGTGGGATTACAGGCTGAGCCACT 1193
DB CTCAGGTGATCCACCCGCTCGGCTTCCGAAAGTGTGGGATTACAGGCTGAGCCACT 90727
QY 1194 CACCAGCGGCTAAATTT--AGATAAAATAATATAGCAATGGGGGCTTGTGCTATGT 1250
DB CACCAGCGGCTAAATTT--AGATAAAATAATATAGCAATGGGGGCTTGTGCTATGT 90787
QY 1251 TGCCAGGCTGCTCAAACTTCTGGCTTTCATGCAATCCT 1290
DB TGCCAGGCTGCTCAAACTTCTGGCTTTCATGCAATCCT 90827

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RESULT 10
US-11-121-086-58/c
; Sequence 58, Application US/11121086
; Publication No. US2005026459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 180654
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-58

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Query Match      32.9%; Score 474.8; DB 12; Length 180654;
Best Local Similarity 68.0%; Pred. No. 0.14;
Matches 838; Conservative 0; Mismatches 327; Indels 67; Gaps 10;

QY 1 TTTTCTTTTTCAGATGAGTTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATGGCGCAA 60
DB TTTTCTTTTTCAGATGAGTTTTCGCTCTTGTGTCGCCAGGCTGGAGTGCATGGCGCAA 141278

QY 61 TCTCAGCTCACCGCAACTCCGCCCTCCCGGGTTTCAAGGATTTCTCTGCTCAGCTCCC 120
DB TCTGCTCAGCTCACCGCAACTCCGCCCTCCCGGGTTTCAAGGATTTCTCTGCTCAGCTCCC 141218

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30807	TCCACCCGGCTCAGCCTCCAAAGTGTGAGATTATAGGTGTGAGCCACCACTCGCC	30866
592	-----TAAATTTTATTTTATTTTAAATTTTGTGAGACAGATCTCAACTCTGT	640
30867	TCAGGAAGTATTTTATTTTAAATTTATTTATTTTGTAGATGGAGTCT-TGCTCTGT	30925
641	CACCCAGGCTGGAGTGCAGTGGCGCAATCTGGCTCACTGTCAACCTCTGCTCCGGGTT	700
30926	CGCCCAAGCTAGAGTCAGCGACGGGATCTCGGCTCACTGCAAGCTCCGCCGCCAGGTT	30985
701	CAAGTTATTCCTCTGCCCCAGCTCTGTAGTAGCTGGGACTACAGGCGC---	757
30986	CAAGCCATTCTCTGCTCAGCCTCCGAGTAGCTGGGACTACAGGCGCCGCCACCA	31045
758	CTTAGCTAAATTTTGTATTTTGTAGTAGAGTGG-GTTACCAATGTTGCGCAGGTTGA	816
31046	CCGGCTAAATTTTGTATTTTGTAGTAGAGCGGTTTACCGTGTTAGCCAGGAGG	31105
817	TCTTGATCTCTGACCTTGTGATCTGCTCGCTCGGCTCCCAAAGTGTCTGGATTACAG	876
31106	TCTCGATCTCTGACCTCGTGATCTGCTGCTCGGCTCCCAAAGTGTCTGGATTACAG	31165
877	GGGTAGGCCACACGGCCGGCTTAATTTTAAATTTTGTGTGTGTAATGGNAATCTCACT	936
31166	GTGTGAGCCACCAACCCGGCT-----AATTTTATTTTGTGAGACAGGACTCACT	31217
937	CTGTACCCAGGCTGGAGTGCATATGCGCAAACTCGGCTCACTGCAAACTCTGCCTCCG	996
31218	CTGTCACTCGGCTGCAGTCAGTGG-TACACATAGTCACTGCGGCTCGAACTCTCTG	31276
997	GGGTCAAGCGATTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTACGGGCACTGCCAC	1056
31277	AGCTCAAGTGATCTCCACCTCATCTCCCAAGTAATTTGGGACTACAGGCGCACCCAC	31336
1057	CACACCCGGTAATTTTGTAT-----TTTCATTAGAGCGGGTT	1097
31337	CATGCCACCTTATTTATTTATTTATTTATTTATTTATTTTTCATAGATGAGGCT	31396
1098	TCACCATATTTGTCAGGCTGTCTCAAACTCTTGACTCAGGTGACCCACTCGCTCAGC	1157
31397	TCCCTGTGTGTCAGGCTGGCTTGTGAACTCTCTGAGCTCAAGGATCCCTTTGCTGGG	31456
1158	CTTCCAAAGTGTCTGGGATTACAGCGGTGAGCCACCTCACCCAGCCGGCTAATTTAGATAA	1217
31457	CTCCAAAGTGTCTGAGATTACAGGCATGAGCCACCGTGCCAGCTAGGAATCATTTTAA	31516
1218	A	1218
31517	A	31517

RESULT 12

US-11-112-908-43
; Sequence 43, Application US/11112908
; Publication No. US20050260659A1

: GENERAL INFORMATION:

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1  APPLICANT: Harris, Cole
2  APPLICANT: Davis, Lisa M.
3  TITLE OF INVENTION: Breast Cancer Biomarkers
4  FILE REFERENCE: 04-164-US
5  CURRENT APPLICATION NUMBER: US/11/112,908
6  CURRENT FILING DATE: 2005-04-22
7  PRIOR APPLICATION NUMBER: US 60/564,758
8  PRIOR FILING DATE: 2004-04-23
9  PRIOR APPLICATION NUMBER: US 60/575,978
10 PRIOR FILING DATE: 2004-06-01
11 PRIOR APPLICATION NUMBER: US 60/631,702
12 PRIOR FILING DATE: 2004-11-30
13 PRIOR APPLICATION NUMBER: US 60/633,826
14 PRIOR FILING DATE: 2004-12-07
15 NUMBER OF SEQ ID NOS: 511
16 SOFTWARE: PatentIn version 3.3
17 SEQ ID NO 43

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[illegible]

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Db	49087	TTATATTTTGGATGGAG-TTTTCGCTGTGTTGCCAGCGCTGGAGTGCATTTGGCGTGA	49145
Qy	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGCTTCAAGCGATTCTCCCTGCGCTCAGCCTCCC	120
Db	49146	TCTCGGCTCACCGTAACTCCGGCTCCAGGTTCAAGGATTCTCTGCTTACGCTCCC	49205
Qy	121	CAGTAGCTGGGATTAACAGGATGACACCAACGCTCGGCTAAATTTTGTATTTTTTTTAG	180
Db	49206	GAGTAGCTGGGATTAACAGGATGCGCCATCAACGCGCGCTAAATTTTG----TGTTTTCAG	49261
Qy	181	TAGAGATGGAGTTTCTCATGTTGCTCAGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	49262	TAGAGCGGGTTTCTCATGTTGCTCAGGCTGTCTCTCAAACTCCCGACCTCAGGTGATC	49321
Qy	241	CCTCCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCCGCGCTCTGCC	300
Db	49322	TGACCGGCTCTCGGCTTCCNAAGTCTGGGATTACAGGTGTGAGCCA--CCTGCTGGCC	49379
Qy	301	TGGCTAATTTTGTGGTAGAAACAGGGTTTTCATGTATGTCGCCAAGCTGCTCTCCTGAGC	360
Db	49380	TACATATTTATTTTGTAGACAAACTCTTTGTCAACCGAGGGAGTGCAGTGACATGA	49439
Qy	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGTGGGATTACAGCGGTGACGCGTGC	420
Db	49440	TCATGGCTCACTGAGCCTTCAACTCTGCGTTCAAGCCATCTCCCGCTTAGCCTCTCT	49499
Qy	421	CTGGCCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAG	480
Db	49500	GGAAGCTGGACTATAGGATGCATGTCTGAGTCTGCCCTAATTTTAAAGTTTGTGATC	49559
Qy	481	TGCAGTGGTGTATC--ACAGTCACTGACGCTTCAACTCTGAGATCAAG-CATCCTC	537
Db	49560	AGACAAAGTATACCGGTGTGCCAGTGTGCTTGAACCTCTGCGCTCAAGTGATAAT	49619
Qy	538	CTGCTCAGCTCCCAAGTAGCTGGACCAAGACATGACACCACTACACTGCTGAATTT	597
Db	49620	CTGCTCAACCTCCCAAGCAGCTGGGATTAACAGCAAGAGCCATCACTCTGCGCTGTG	49679
Qy	598	TTATTTTATTTTAAATTTTGTAGACAGAGTCTCAA-----CTCTGCACCCAG	647
Db	49680	TATACTTTTATTTTATTTTATTTTATTTTAAAGTGGAGTCTCTCTGCACCAAG	49739
Qy	648	GCTGGAGTCAGTGGCGCAATCTTGGCTCACTCAACCTCTGCTCCCGGTTTCAAGTTA	707
Db	49740	GTTGGAGTCAGTGGTGCRACTCTCAGCTCACTGCAATCACCACCTCCAGGCTCAAGTGA	49799
Qy	708	TTCTCTGCTCCAGCTCTCTGAGTAGCTGGAGTACAGGGGCCACACGCTTAGCTAAT	767
Db	49800	TTCTTGTGCTCACCTCCCAAGTAGCTGAGACTACAAGTGCCTGCGCACCAACTGGCT	49859
Qy	768	-TTTTTGTATTTTATAGTAGATGG-GGTTACCATGTTTCGACAGTTGATCTTGATCT	825
Db	49860	AGATTTTGTATTTTATAGTAGGATGAGTTTACCATGTTGGCAAGCTGGTCTTGAACG	49919
Qy	826	CTGGACCT--TGTGATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGGGTGAG	883
Db	49920	CCTGACCTCAGGTGATCTGCCACCTTGGCTCCCAAGTGTGGGATTACAGGCAGGAG	49979
Qy	884	CCACACGCGCGGC-----TTATTTTATTTTGTGTTTGTGAAA	924
Db	49980	CTGTCTGCTGCGGCTCTGTGTACACTTTATTTTAAATTTTATTTTATTTTGTAGA	50039
Qy	925	TGAATCTCACTGCTTACCAGGCTGGAGTGCATGGCCAAATCTCGGCTCAGCTGCAC	984
Db	50040	TGAATCTGCTCTGTATCCAGGCTGGAATGAGGTGGCAATCTTGGCTCAGTGCAC	50099
Qy	985	CTCTGCTCCCGGCTCAAGCGATTCTCTGCTCAGCTCCCAAGCAGCTGGGA-TTAC	1043
Db	50100	CTCTGCTCCCAAGTTCAAGTGTATCTCTCAGCTCAGCTCCCAAGTAGTAGGATTAA	50159
Qy	1044	GGGACCTGCCACACACCCCGCTAA--TTTTTGTATTTTATTTAGAGCGGGGTTTCAC	1101

Db	50160	AGCGTGCACACCACTGGCTAAATTTTATATTTTAGTAGAGTGGATTTTCAC	50219
Qy	1102	CATATTTGTCAGCTGCTCTCAAACTCCTGACCTCAGGTGACCACTGCTCAGCCTTC	1161
Db	50220	TGGGTTGGTCAGCTGCTCTCGAACTCCTGATCTCAAGTGTATCCACCTTGGTCTCC	50279
Qy	1162	CAAAGTCTGGGATTACAGCGCTGAGCCACTCACCCAGCCGG	1204
Db	50280	CAAAGTCTGGGATTACAGGTGTGATCCACCGCGCCAGCCTG	50322

Search completed: March 23, 2006, 21:58:02
Job time : 537.5 secs

GenCore version 5.1.7

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OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 21:30:58 ; Search time 529.5 Seconds
(without alignments)
6349.990 Million cell updates/sec

Title: US-09-380-203-1

Perfect score: 1442

Sequence: 1 TTTTTTTTTTGAGATGGG.....TTAAACAAAGCTTTAGAGCA 1442

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA New:*

- 1: /cgn2_6/ptodata/1/pubpna/US08 NEW PUB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/US06 NEW PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US07_NEW PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US09 NEW PUB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US09 NEW PUB.seq:*
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- 10: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 1	535.2	37.1	79528	8	US-10-276-233A-6
C 2	521	36.1	168656	12	US-11-112-908-59
C 3	521	36.1	170285	12	US-11-112-908-58
C 4	511.4	35.5	60729	7	US-10-330-773-841
C 5	501.6	34.8	199321	12	US-11-121-086-10
C 6	486.8	33.8	191684	12	US-11-121-086-2

Sequence 6, Appli
Sequence 59, Appl
Sequence 58, Appl
Sequence 841, App
Sequence 10, Appli
Sequence 2, Appli

7	480.6	33.3	178024	7	US-10-330-773-698	Sequence 698, App
8	477.6	33.1	79544	7	US-10-330-773-741	Sequence 741, App
9	477.6	33.1	171732	12	US-11-121-086-98	Sequence 98, Appl
10	474.8	32.9	180654	12	US-11-121-086-58	Sequence 58, Appl
11	473	32.8	155515	12	US-11-112-908-42	Sequence 42, Appl
12	473	32.8	159660	12	US-11-112-908-43	Sequence 43, Appl
13	473	32.8	177623	12	US-11-112-908-41	Sequence 41, Appl
14	472.6	32.8	157224	12	US-11-112-908-51	Sequence 51, Appl
15	472.6	32.8	170189	12	US-11-112-908-50	Sequence 50, Appl
16	471.4	32.7	127340	12	US-11-112-908-35	Sequence 35, Appl
17	469.6	32.6	172111	12	US-11-121-086-28	Sequence 28, Appl
18	469.4	32.6	160226	12	US-11-121-086-29	Sequence 29, Appl
19	468	32.5	153142	12	US-11-121-086-27	Sequence 27, Appl
20	466.2	32.3	98862	12	US-11-121-086-76	Sequence 76, Appl
21	463.4	32.1	318488	9	US-11-114-798-58	Sequence 58, Appl
22	461.8	32.0	121736	9	US-11-114-798-49	Sequence 49, Appl
23	461.2	32.0	179892	12	US-11-112-908-39	Sequence 39, Appl
24	459.6	31.9	92199	9	US-11-114-798-50	Sequence 50, Appl
25	458.4	31.8	11163	6	US-09-925-065A-35513	Sequence 35513, A
26	458.4	31.8	14271	8	US-10-995-561-13370	Sequence 13370, A
27	458.4	31.8	40000	8	US-10-995-561-13510	Sequence 13510, A
28	456.8	31.7	415117	8	US-10-995-561-13274	Sequence 13274, A
29	456.2	31.6	3766	12	US-11-124-367A-38	Sequence 38, Appl
30	455.2	31.6	120096	12	US-11-121-086-24	Sequence 24, Appl
31	451.8	31.3	79528	8	US-10-276-233A-6	Sequence 6, Appli
32	449.6	31.2	150481	12	US-11-112-908-37	Sequence 37, Appl
33	449.6	31.2	179892	12	US-11-112-908-39	Sequence 39, Appl
34	449	31.1	150038	12	US-11-121-086-23	Sequence 23, Appl
35	446.8	31.0	190882	12	US-11-121-086-69	Sequence 69, Appl
36	446	30.9	130660	8	US-10-995-561-13253	Sequence 13253, A
37	444.6	30.8	159497	12	US-11-112-908-61	Sequence 61, Appl
38	444.6	30.8	171427	12	US-11-112-908-60	Sequence 1, Appli
39	442	30.7	126552	12	US-11-121-086-1	Sequence 14, Appl
40	439.2	30.5	167891	12	US-11-121-086-14	Sequence 14, Appl
41	439	30.4	26727	12	US-11-124-368A-2923	Sequence 2923, Ap
42	438	30.4	75007	8	US-10-995-561-13194	Sequence 13194, A
43	437.2	30.3	1620	6	US-09-925-065A-67041	Sequence 67041, A
44	436.8	30.3	1620	6	US-09-925-065A-67042	Sequence 67042, A
45	431.8	29.9	220895	8	US-10-775-169-88	Sequence 88, Appl

RESULT 1

US-10-276-233A-6/c

Sequence 6, Application US/10276233A

Publication No. US20050260572A1

GENERAL INFORMATION:

APPLICANT: Hitachi Software Engineering Co., Ltd.

APPLICANT: DNA Chip Research Inc.

TITLE OF INVENTION: A method of predicting cancer condition

FILE REFERENCE: PH-1533-PCT

CURRENT APPLICATION NUMBER: US/10/276,233A

CURRENT FILING DATE: 2002-11-14

PRIOR APPLICATION NUMBER: JP 2001-73063

PRIOR FILING DATE: 2001-03-14

PRIOR APPLICATION NUMBER: JP 2001-108503

PRIOR FILING DATE: 2001-04-06

PRIOR APPLICATION NUMBER: JP 2001-234807

PRIOR FILING DATE: 2001-08-02

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PatentIn Ver. 3.2

SEQ ID NO 6

LENGTH: 79528

TYPE: DNA

ORGANISM: Homo sapiens

US-10-276-233A-6

Query Match	37.1%;	Score 535.2;	DB 8;	Length 79528;
Best Local Similarity	71.7%;	Pred. No. 0.056;		
Matches 911;	Conservative	0;	Mismatches 283;	Indels 76;
Gaps	13;			

Db	48333	GCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCACCTGCCACCGCCGGCTAATTTT	48274
Qy	1073	TTGTATTTTCATTAGAGCGGGTTTTACCATATTTGTGTCAGCGTGGTCTCAAACTCCTGA	1132
Db	48273	TTGTATTTTGTAGTAGAGATGGGTTTTACCATGTTAGCCAGATGGTCTCGATCTCCTGA	48214
Qy	1133	CCTCAGGTGACCCACCTGCTCAGCCCTTCAAAGTGCTGGGATTACAGCGTGAGCCACC	1192
Db	48213	CCTT--TGTAATGTCCTGGCTTGGCTTCCAGAGTGCTGGGATTATAGGCATGAGCCACC	48156
Qy	1193	TCACCCAGCC	1202
Db	48155	GCACCCAGCC	48146

RESULT 2

RESOLUT 2
US-11-112-908-59/c

00 11 112 500 357 C
; Sequence 59, Application US/11112908

Sequence 33, Application 03/111
; Publication No. US20050260659A1

GENERAL INFORMATION:

APPLICANT: Harris, Cole

APPLICANT: Davis, Lisa M.

; TITLE OF INVENTION: Breast Cancer Biomarkers

FILE REFERENCE: 04-164-US

; CURRENT APPLICATION NUMBER: US/11/112,908

; CURRENT FILING DATE: 2005-04-22

; PRIOR APPLICATION NUMBER: US 60/564,758

;
; PRIOR FILING DATE: 2004-04-23

; PRIOR APPLICATION NUMBER: US 60/575,978

PRIOR FILING DATE: 2004-06-01

[illegible]

;; PRIOR FILING DATE: 2004-11-30
: PRIOR APPLICATION NUMBER: US 60/511,000

;; PRIOR APPLICATION NUMBER: US 60/633,826
: PRIOR FILING DATE: 2004 12 07

;; PRIOR FILING DATE: 2004-12-07
: NUMBER OF SEQ ID NOS: 11

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; NUMBER OF SEQ ID NOS: 511
: SOFTWARE: Patent in version 3.3

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; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 59

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; SEQ ID NO 59
: LENGTH: 168656

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; LENGTH: 168656
; TYPE: DNA

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; LIFE: DNA
; ORGANISM:

ORGANISM: HOMO SAPIENS
US-11-112-908-59

CC-000-211-11-00

Query Match	36.1%;	Score 521;	DB 12;	Length 168656;
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Best Local Similarity 71.1%; Pred. No. 0.044;

Matches	881; Conservative	0; Mismatches	295; Indels	63; Gaps	12;
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QY	1	TTTTTTTTTTGAGATGGAGTTTTCGCTCTTTGTGTGCCCAGGCTGGAGTGCATGGCGCA	60
Db	133236	TTTTTTTTTTTGAGACAGAG-TTTTCACTCTTTGTGTGCCCAGGCTAGAGTGCATGGCGGAGA	133178
QY	61	TCTCAGCTCACCGCAACCTTCGGCTCCGGGTTCAAGCGATTCTCTGCTCAGCTCCG	120
Db	133177	TCTCGGCTTCACCGCAACCTCCACCTCTGGGTTCAAACATTCTCTGCTCAGCTCCG	133118
QY	121	CAGTAGCTGGGATTACAGGCATGTGCACCGCTCGGCTAAATTTTGTATTTTTTTTAG	180
Db	133117	TAGTAGCTGGGATTACAGGCATGTGCCACCATGCCCACTAATTTTTTGA-----TTTTTAG	133062
QY	181	TAGAGATGGAGTTTCTCCATCTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	133061	TAGAGACGGGGTTTATCCATGTTGGTCAGGCTGGTCTTTGAACCTCTGACCTCAGGTGATC	133002
QY	241	CCTCCGCTCTCGGCTCCCAAAGTGCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300
Db	133001	CGCCAGCCTTGGCCTCCCAAAGTGCTGGAATTAGAGGAAATGTGTACTGCGCCCAACCCC	132942
QY	301	TGGCTAATTTTTTGGTAGAAACAGGGTTTCACCTGATGTG-----	341
Db	132941	TTTTTTTTTTTTTCGAGACACATCTTGCCCTGTGCCCCAGGCTGGAGAGCAGTGGCATGAT	132882
QY	342	-----CCAAGCTGGTCTCTGAGCTCAAGCAGTCCACTGTGCTCAGGCTCCCA	389

; PRIOR FILING DATE: 2004-06-01
 ; PRIOR APPLICATION NUMBER: US 60/631,702
 ; PRIOR FILING DATE: 2004-11-30
 ; PRIOR APPLICATION NUMBER: US 60/633,826
 ; PRIOR FILING DATE: 2004-12-07
 ; NUMBER OF SEQ ID NOS: 511
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 58
 ; LENGTH: 170285
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-112-908-58

Query Match 36.1%; Score 521; DB 12; Length 170285;
 Best Local Similarity 71.1%; Pred. No. 0.044;
 Matches 881; Conservative 0; Mismatches 295; Indels 63; Gaps 12;

QY 1 TTTTCTTTTGTGAGTGGAGTTTTCGCTCTTGTGCTCCAGGCTGGAGTGCATGCGCAA 60
 DB 133241 TTTTCTTTTGTGAGACAGAG-TTTCACCTCTTGTGCTCCAGGCTAGAGTGCATGCGGAGA 133183
 QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGCTTCAAGCGATTCTCCTGCTCAGCCTCCC 120
 DB 133182 TCTCGGCTCACCGCAACCTCCACCTCTCGGTTCAAACTATTCTGCTGCTCAGCCTCCC 133123
 QY 121 CAGTAGCTGGGATTACAGGCAATGTCACCCAGCTCGGCTAAATTTGTAATTTTGTAG 180
 DB 133122 TAGTAGCTGGGATTACAGGCAATGTCACCCAGCTAAATTTGTA-----TTTGTAG 133067
 QY 181 TAGAGATGGAGTTTCTCCATGTTGCTCAGGCTGCTGAACTCCGACCTCAGATGATC 240
 DB 133066 TAGAGACGGGTTTATTCATGTTGCTCAGGCTGCTGAACTCTGACCTCAGTGTATC 133007
 QY 241 CCTCGCTCTCGGCTCTCCAAAGTGTAGATACAGGACTGGCCACCATCCCGGCTCTGCC 300
 DB 133006 CGCCAGCTTGGCTCCCAAGTGTGCTGGAATTTAGAGGAATGCTACTGCGCCCAACCCC 132947
 QY 301 TGGCTAAATTTTGTGGTGAACAGAGGTTTCACTGATGTC----- 341
 DB 132946 TTTTCTTTTTCGAGACACATCTTTCGCTGTCGCTGCTGAGAGCAGTGGCATGAT 132887
 QY 342 -----CCAGCTGGTCTCCTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCA 389
 DB 132886 TTCAGCTCACTGCAAACTCCACTCTGGGTTCAAGCAATCTCTGATCAGCTCTCTG 132827
 QY 390 AAGTGTGGGATTACAGGCGTGCAG--CGTGCCTGGCTTTTATTTTATTTTATTTTAA 447
 DB 132826 AGTACTTGGAAATACAGGCGTCTCCACACACCTGGCTAAATTTTGTATTTTGTAGTAG 132767
 QY 448 GACACAGGTGTCCCACTTACCCAGGATGAAGTGCAGTGGTGTGATACAGCTCACTGCC 507
 DB 132766 AGAAGGGGTTTCACTATGTTGGCCAGGCTGGTCTGGA-ACTCCTGACCTTGTGATCCACC 132708
 QY 508 AGCCTTCAACTCTGAGATCAAGCATCTCCTGCTCAGCTCCAGCTCCCAAGTGTGGAGCA 567
 DB 132707 CTCCTCGGACTCCCAAGTGTGGGATTAAGCGGTGAGCCACCGCCGCTGAGCCT 132648
 QY 568 AAGACATGCACCACTACACTCGCTAAATTTTATTTTATTTTATTTTATTTTGTAGACAGA 627
 DB 132647 GTG-----TGTGGTGTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGAGACGGA 132599
 QY 628 GTCTCAACTCTGTGACCCAGGCTGGAGTGCAGTGGCGCAATCTTGGCTCACTGCAACCTC 687
 DB 132598 GTCTC-ACTCTGTGCGCCAGGCTGGAGTGCAGTGGCACCATCTCGGCTCACTGCAAGCTC 132540
 QY 688 TGCCTCCCGGTTCAAGTTATTTCTCTGCTGCCAGCTCTGAGTAGCTGGGACTCAGGC 747
 DB 132539 CACCTCCCGGTTTCAAGCCATCTCTGCTCAGCTCTGAGTAGCTGGGAAACAGGC 132480
 QY 748 GCCCACCAAC--GCCTAGCTAAATTTTGTATTTTGTATTTTGTAGTAGAGA-TGGGGTTTCAACATGT 804
 DB 132479 ACCCACCAACCGCCCGCTAAATTTTGTATTTTGTATTTTGTAGTAGACAGGGTTTCACTGTGT 132420

QY 805 TCGCCAGGTTGATCTTTGATCTCTGGACCTTGTGATCTGCTGCTCGGCTCCCAAGTG 864
 DB 132419 TAGCCAGGATGGTCTCGATCTCTGACCTCATGATCACCCACTCGGCTCCCAAGTG 132360
 QY 865 CTGGGATTACAGGCGTGAAGCCACCGCCGGCTTATTTTAAATTTTGTGTTGTTGAAA 924
 DB 132359 CTGGGATTACAGGCGATGAGCCACCGCGCGGCTTGTGTGTTT-----TTTGTAGA 132305
 QY 925 TGGAAATCTCACTCTGTTTACCCAGGCTGGAGTGCATGGCCAAATCTCGGCTCACTGCAAC 984
 DB 132304 TGGAGTCTCAATCTGTCTCACCCAGGCTTGAAGTGAATGGTCGACCTCGGCTCACTTCAAC 132245
 QY 985 CTCTGCTCCCGGCTCAAGCGATTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTACG 1044
 DB 132244 CTTACCTCCCAAGGTTCAAGCGATTCTCTGCTCAGCTCCCGAGTAGCTGGGACTACA 132185
 QY 1045 GGCACCTGCCACACACACCCCGCTAAATTTTGTATTTTTCATTAGAGGGGGGTTTCCACAT 1104
 DB 132184 GCGCATGCCACACACACCTGCTAAATTTTGTCAATTTTCTTAGAGACAGGTTTTCAC--T 132127
 QY 1105 ATTTGTCAAGGCTGCTCAAACTCTCAGCTCAGCTGACCCACCTGCTCAGCCTTCCAA 1164
 DB 132126 GTTAGCCAGGCTGCTCTCGAACTCTCTGACCTC--GTGATCTGCTGCTCAGCCTCCCA 132069
 QY 1165 AGTGTGGGATTACAGGCGTGAAGCCACCTCACCAGCG 1203
 DB 132068 AGGCTGGGATTACAGGCAATGATCACCATGCTGCGGTG 132030

RESULT 4

US-10-330-773-841/c
 ; Sequence 841, Application US/10330773
 ; Publication No. US20060040262A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David W. Morris
 ; APPLICANT: Marc Malandro
 ; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
 ; FILE REFERENCE: 529452001300
 ; CURRENT APPLICATION NUMBER: US/10/330,773
 ; NUMBER FILING DATE: 2002-12-27
 ; NUMBER OF SEQ ID NOS: 981
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 841
 ; LENGTH: 60729
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)-(60729)
 ; OTHER INFORMATION: n = A,T,C or G
 US-10-330-773-841

Query Match 35.5%; Score 511.4; DB 7; Length 60729;
 Best Local Similarity 68.8%; Pred. No. 0.13;
 Matches 910; Conservative 0; Mismatches 361; Indels 52; Gaps 13;
 QY 4 TTTTCTTTGAGATGGAGTTTTCGCTCTTGTGCTCCAGGCTGGAGTGCATGCGCAATCT 63
 DB 37510 TTTTCTTTGAGATGAAAGTCT--CTCTGTGTTTACCCAGGCTGGAGTGCATGCGCATGATCT 37453
 QY 64 CAGCTCACCGCAACCTCCGCTCCCGGTTTCAAGCGATTCTCCTGCTCAGCCTCCCCAG 123
 DB 37452 CGGCTCACTGCAACACCAACCTCCCGGTTTCAAGGATTTCTCTGCTCAGCCTCCCGAG 37393
 QY 124 TAGCTGGGATTACAGGCAATGTGCACCCACGCTCGGCTAAATTTTGTATTTTGTAGTAG 183
 DB 37392 CAGTTGGGACTACAGGCAACGTCACCATGCCGCTAAATTTT---TGTATTTTGTAGTAG 37336
 QY 184 AGATGGAGTTTCTCATGTTGGTCAAGGCTGCTGCTGAACTCCGACCTCAGATGATCCCT 243
 DB 37335 AGACGGCGTTTTCACCATTTGGCCAGGCTGGTGTGCAACTCTCTGACCTC--ATGATCCAC 37278
 QY 244 CCGTCTCGGCTCTCCCAAGTGTCTAGATACA---GGACTGGCCACCATGCTCCGCTCTGCC 300

Db	37277	CGGCTCAACTCCCAAGTGCTGGGATTTACAGCATAGCCAGTGACCTGGCCAAAGC	37218
QY	301	TGGCTAATTTTGTGGTGAAGAACAGGGTTTCACTGATGTGCCAAGCTGTCTCTGAGC	360
Db	37217	TTAGTAATTTTCTATGCAAAATGTTTAGTCTCTTGGCATGATCCACAGCTGACATTTTA	37158
QY	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGCTGGG-----ATTACAGCGGTGACG	414
Db	37157	GTGGCAGTAGGGCTTGGGAATCTCCCTCTAGAGCAGTGGTACTTAACCTTTTGTAG	37098
QY	415	CCGTGCTGCGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGG	474
Db	37097	CCCTGGACCCCTTATGCTCTCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	37038
QY	475	ATGAAGTG-----CAGTGGTGTGATCAAGCTCACTGCAGCTTCAACTCTGTAGATCAAG	530
Db	37037	TAGACAGGGCAATAGTGGCAATCATAGCTCACTGCAGGCTCAACTTCTCTGGGCTAAG	36978
QY	531	C-ATCCTCTGCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACACTACACCTG	589
Db	36977	TGATCTCTGCTCAGCTCCCTGAGTAGCTAATCAACAGAGTATGCACCCCATGACTG	36918
QY	590	GCTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	649
Db	36917	GC-----TT	36869
QY	650	TGAGTGCAAGTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATT	709
Db	36868	TGAGTGCAAGTGGCGATCTTGGCTCACTGCAAGCTCCGCTCCTGGGTTCAAGCCATT	36809
QY	710	CTCTGCGCCAGCTCTGAGTAGCTGGGACTACAGGCGC---CACACGCTAGCTAA	766
Db	36808	CTCTGCGCTCAGCTCTGAGTAGCTGGGACTACAGAGCGCGCTCACACGCTGGCTAA	36749
QY	767	TTTTTTTGTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	826
Db	36748	TTTTTTTGTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	36689
QY	827	TGACCTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	886
Db	36688	CTGACCTGCTGATCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	36629
QY	887	CCAGCGCGCGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	946
Db	36628	CCAGCGCGCGCTT-----CTTTTTTTTTTTTTTTTTTATTAACAGCGCTCACTCTGTGCCA	36576
QY	947	GGCTGAGTGCAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCG	1006
Db	36575	GGCTGAGTGAGTGTGCAATCTGAGCTCATCCCAACCTCCACCTCTGAGCAAGTG	36516
QY	1007	ATTCTCTGCTCAGCTCCCAAGCAGCTGGGATACGGGCACTGCGCACCAACCCCGC	1066
Db	36515	ATCCTCTCAGCTCAGCTCCTGAGTAGCTGTGACTACAGGCAACCTTACACACCTGCG	36456
QY	1067	TAAATTTTG-----TAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	1121
Db	36455	TAAATTTTGCAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	36396
QY	1122	CAAACTCTGAGTCAAGTGACCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1181
Db	36395	TAAACACCTTGGGCTCAAGTGATCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	36336
QY	1182	CGTGAGCCACTCACCCAGCGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTC	1241
Db	36335	TATGAGCCACCAAGCTAGCTTATTTT-----TAAATTTTATTTTATTTTATTTTATTTT	36281
QY	1242	TGCTATGTTGCCAGGCTGGTCTCAAACTTCTGGCTTCAATGCAATCTTCAAAATGAGC	1301
Db	36280	TCGATTTGTTGCAAGGCTAGTCTTGAACCCCTGGCTCAAGTGATCTCTATACCTCAGC	36221
QY	1302	CAC 1304	
Db	36220	CTC 36218	
RESULT 5			
US-11-121-086-10			
; Sequence 10, Application US/11121086			
; Publication No. US20050266459A1			
; GENERAL INFORMATION:			
; APPLICANT: POULSEN, TIM S.			
; APPLICANT: NIELSEN, KIRSTEN V.			
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES			
; FILE REFERENCE: 09138 6000-00000			
; CURRENT APPLICATION NUMBER: US/11/121,086			
; CURRENT FILING DATE: 2005-05-04			
; PRIOR APPLICATION NUMBER: 60/567,570			
; PRIOR FILING DATE: 2004-05-04			
; NUMBER OF SEQ ID NOS: 107			
; SOFTWARE: PatentIn version 3.3			
; SEQ ID NO 10			
; LENGTH: 199321			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-11-121-086-10			
Query Match 34.8%; Score 501.6; DB 12; Length 199321;			
Best Local Similarity 69.4%; Pred. No. 0.064;			
Matches 866; Conservative 0; Mismatches 319; Indels 63; Gaps 11;			
QY	1	TTTTTTTTTTTGGAGTGGAGTTTTCGCTCTTGTTCGCCAGGCTGGAGTGCATGGGCAA	60
Db	73731	TTTTTTTTTTTGGAGTGGAGTTT-GCTCTTTTTCACCCAGGCTGGAGTGCATGGCGC	73789
QY	61	TCTCAGCTCACGCCAACCTCCGCTCCCGGGTTCGAAGGATTTCTCTGCTCAGGCTCCC	120
Db	73790	TGTGAGCTCACGCCAACCTCCGCTCCCGGTTCAAACAATTTCTTTCGCTCAGGCTCCC	73849
QY	121	CAGTAGCTGGGATTTACAGGATGTGCACCCAGCTCGGCTAATTTTGTATTTTATTTTAG	180
Db	73850	AAGTAGCTGGAAATACAGGAATGCGCCACCATGCTGCTGCTAATTTT---TGTATATTTGG	73906
QY	181	TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGCTCGAACTCCCGACCTCAGATGATC	240
Db	73907	TAGAGCGGGTTTCTCCATGTTGGTCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	73966
QY	241	CCTCGCTCTCGGCTTCCCAAGTGTAGATACAGGACTGGCCACCATGCTGCTGCTGCTGCTG	300
Db	73967	TACCGCTCTCAGCTTCCCAAGTGTAGATGAGTGTGAGCCACAGTGCCTAATGGA	74026
QY	301	TGGCTAATTTTGTGGTGAAGAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCC--TGA	358
Db	74027	TTTTTTTCTCTTTTCTGAGACGGAGTCTTGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG	74086
QY	359	GCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCTGGAGCGGT	418
Db	74087	CATGATCTCGGCCCACTGCAACCTCTGCTTCCCGGTTTCAAGCAATTTCTGTCTCAGCTC	74146
QY	419	GCCTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	478
Db	74147	CCAGTAGCTGAGATTTACATGGGCTGCCACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTG	74206
QY	479	AGTGAGTGGTGTGATACACA--GCTCACTGAGGCTTCAACTCTCTCTGAGATCAAG--CATCC	535
Db	74207	AGAGACAGGTTTACCATATCGGTCAAGCTGGTCTCGAAATCTCTGACCTGAGGTGATCC	74266
QY	536	TCCTGCTCAGGCTCCCAAGTAGCTGGGACCAAGACATGACACCACTACACTGGCTAAT	595
Db	74267	GCCACCTCAGCTCCCAAGTAGCTGAGATTTACAGGCTGGAATACCACTGCTGCTGCTGCTG	74326
QY	596	TTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	655
Db	74327	TTTTTT-----TTTTTAAAGACGAGTTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTG	74375
QY	656	CGAGTGGCGCAATCTTGGCTCACTGCAACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	715

Db 74376 GCATGGCGTATGTTGGTTCTACTGCAACCTCTGGCTCCAGGTTCAAGCGATTCTCTCTG 74435
Qy 716 CCCAGCCTCCTAGTAGCTGGAGTACAGGGGCCACCA-CGCTAGCTAATTTTTTTG 774
Db 74436 CTTATCTCTCTAGTAGCTGGAGTACCGGCATCGGCACACAGCCCTGTCTGATTTTTG 74495
Qy 775 TATTTTATAGTAGAGTGG-GGTTACCATGTTGCGCAGGTTGATCTCTGGACCT 833
Db 74496 TATTTTTAGTAAGACGGTATTTACCATGTTGGCCAGGCTGGTCTCAACTCTTGACCT 74555
Qy 834 TGTGATCTGCTGCTCGGCTCCCAAGTGTCTGGGATTAAGGCGTGAAGCCACACGCC 893
Db 74556 CGTGATCAGCCACCTCGGCTCCCAAGTGTCTGGGATTAAGGCGCGAGTCAACGCCCT 74615
Qy 894 CGGC-----TTATTTTAAATTTTTTTGTTT 919
Db 74616 CGGCCGGATCATATTTTTTAACTCATCTTTCCAGTTTATTTGTTGTTGTTT 74675
Qy 920 TGAATGNAATCTCACTCTGTATCCAGGCTGGAGTGAATGGCCAAATCTCGGCTCACT 979
Db 74676 TGAGACGGAGTCTTGCTCTGTACCAAGGCTGGAGTGCAGTG---CGATCTCAGCTCACT 74732
Qy 980 GCAACCTCTGCTCCCGGCTCAAGCGATTCTCTGTCTCAGCCTCCCAAGCAGCTGGGA 1039
Db 74733 GCAGCTCTGCTCCAGGTTCAAGTATCTCTGCTCAGCCTCCCAAGTAGCTGGGA 74792
Qy 1040 TTAGCGGACCTGCCACACACCCCGCTAA-----TTTTTGTATTTTCAATTAGAGCGGG 1095
Db 74793 CTACAGGCGTGTACTGTGCCACACCCAGCTAAATTTTTTTTTTGTATTTTAGTAGAGATGGG 74852
Qy 1096 TTTACCATATTTGTCAGGCTGGTCTCAACTCTGACCTCAGGTGACCCACCTGCTCA 1155
Db 74853 TTTACCATATTTGGCCAGGCTGGTCTCTAACTCTGACCTCAGATGATCCGCCACCTCG 74912
Qy 1156 GCTTCCAAAGTGTGGGATTAAGCGGTGAGCCACCTCACCACCG 1203
Db 74913 GCTTCCAAAGTGTGGGATTAAGCGGTGAGCTTCCAGGTTGCGCTG 74960

RESULT 6

US-11-121-086-2/c
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 191684
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-2

Query Match 33.8%; Score 486.8; DB 12; Length 191684;
Best Local Similarity 67.5%; Pred. No. 0.099;
Matches 826; Conservative 0; Mismatches 372; Indels 26; Gaps 9;
Qy 1 TTTTTTTTTTTCAGATGGAGTTTTCGCTCTGTGTGCCAGGCTGGAGTGCATGGCGCAA 60
Db 70067 TTTGTTTGTGTTTGGACAGAGTCTCACTCTGTACCCAGGCTGGAGTGCATGGACGA 70008
Qy 61 TCTAGCTCAGCGCAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGGCTGCC 120
Db 70007 TCTCGCTCAGTCGAGCTCCGCTCCCGGTTCAAGTGAATCTCTTGCTCCACCTCCC 69948

Qy 121 CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTTGTATTTTTTTTAG 180
Db 69847 AAGTAGCTGGGATTTACAGGCGTGTACCATCAGGCTGGCTAATTTT---TGTATTTTTAG 69891
Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db 69890 CAGAGACAGGTTTTCACCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGACC 69831
Qy 241 CTTCCGCTCGGCTCCCAAAAGTGTCTAG--ATACAGAGCTGGGCCACCATGCCCCGGCTCTG 298
Db 69830 TGCTCACTTTGGGCTCCCAAGTGTCTGGGATTAACAGCGTGAAGCCACCGTCCCGGCACAC 69771
Qy 299 CTTGGCTAAATTTTGTGTAGAAACAGGTTTCTACTGATGTGCCCAAGCTGGTCTCTCTGA 358
Db 69770 TCAGAGCTTTCAGCAAGGGCAGGCACTGC-ACATGGACCTCTCTTCTGGGAGAGTTG 69712
Qy 359 GCTCAAGCAGTCCACCTGCTCAGCCTCCAAAGTGTGGGATTAACAGCGGTGAGCGGT 418
Db 69711 AGTCAACAGACCTTGAACCCAGAGAAGATCCGATTTGTGGAGCTGGGGCTCTGGTCCA 69652
Qy 419 GCCTGGCCTTTTATTTTATTTTATTTTAAAG----CACAGGTGTCCTCACTCTTACCCAGG 474
Db 69651 GACTCTGAGCGGTATCTGCAACAGGACTAGAGGAGCCCCCAGGCGAGTGTCTATCTCTGCG 69592
Qy 475 ATGAAGTGCAGTGTGTGATCACAAGCTCACTGCAAGCTTCAACTCTCTGAGATCAAGCATC 534
Db 69591 TGTAGGGAACCTGCTGGGAAGCAGGTGCTTGGAGAGGAAATGAGCTCCCATCAATA 69532
Qy 535 CTCTGCTCAGCCTCCCAAGTGTGGGACCAAGACATGCAACCATPACACCTTGGGTAA 594
Db 69531 CTTGGCATTTGAGAGGAGCTTTACAGAAACCCCTTAGTAAGTATATATTTGTTTCTGT 69472
Qy 595 TTTTATTTTTTATTTTAAATTTTTTGTAGACAGAGTCTCAACTCTGTCAACCCAGGCTGGAG 654
Db 69471 TTTATTTTATTTATTTACCTTTTGACACAGAGTCTC-ACTCTGTTGCCCAGGCTGTCG 69413
Qy 655 TGCAGTGGCGCAATCTTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTATTTCTCTCT 714
Db 69412 TGCAGTGGCATGATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTATTTCTCTCT 69353
Qy 715 GCCCCAGCTCTCAGTAGTGTGGGACTACAGGCGC---CCACCAGCTAGCTAATTTTT 771
Db 69352 GCCTCAGCCCCCTAGTGGCTGAGATTACACACACCTGCCACCATGCTGGCTAATTTTT 69293
Qy 772 TTGTATTTTAGTAGAGATGGGTTTACCATTGTTGCCAGGTTGATCTGTCTCTGAC 831
Db 69292 ATATTTTATGATAGACA-GGGTTTTCATGTTGGCCAGGCTGGTCTCGAACTCTGAC 69234
Qy 832 CTTGTGATCTGCTGCTCGGCTCCCAAGTGTGGGATTAACAGGCTGAGCCACCCACG 891
Db 69233 CTCGTGATCTGCCCATCTCAGCCTCCCAAGTGTGGGATTAACAGGATGAGCAATCGCA 69174
Qy 892 CCGGCG-----TTATTTTAAATTTTTTGTGTTTGAATGGAATCTCACTC-TGT 940
Db 69173 CCGAGCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATAGACAGAGTTTTCACACTTGT 69114
Qy 941 TACCAGGCTGGAGTGCNAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCT 1000
Db 69113 TGCCAGGCTGGAGTGCNAATGATGTGATCTCGGCTCACTGCAACCTCTCGTCTCTCGGTT 69054
Qy 1001 CAAGGATTTCTCTGCTCAGCCTCCCAAGCAGCTGGGATTAACGGGCACTGCCACCCACA 1060
Db 69053 CAAGGATTTCTCTGCTCAGCCTCCCAAGTGTGGGATTAACAGGCGCTCTGCTACACG 68994
Qy 1061 CCGGCTAAATTTTGTATTTTCAATTAGAGCGGGGTTTCAACATATTTTGTACGGTGTGTC 1120
Db 68993 CCGAGCTACTTTTATATTTTATGATAGAGCGGGTTTTCACCGTGTGGCCAGGCTAGTA 68934
Qy 1121 TCAAACTCTGACCTCAGTCAACCATGCTGCTCAACCTCTTCAAGTGTCTGGATTTACAG 1180
Db 68933 TCAAACTCTGACCTCAAGTGTGCTGCGGCTTCCAGGCTTCCAAAGTGTCTGAGATTATAG 68874
Qy 1181 GGTGAGCCACTCACCACCGCG 1204

[illegible]


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Qy 1017 CTACGCTCCCAAGCAGCTGGGATTACGGGCACTGCCACACACACCCCGCTAAATTTTGT 1076
Db 140379 CTCGGCTCCCGAGTAGCTGGGATTACAGGCACCCGCCACACACACTGGCTAAATTTTGT 140320
Qy 1077 ATTTTCAATTAGAGCGGGGTTTACCATAATTGTGTCAGGCTGGTCTCAAACTCTCTGACCTC 1136
Db 140319 ATTTTCAATTAGAGCGGGGTTTCCCTATGTTGGTTCAGGCTGGTCTCAAACTCTCTGACCTC 140260
Qy 1137 AGGTGACCCACCTGCCTCAGCTCTTCCAAAGTGTCTGGGATTACAGCGGTGAGCCACCTCAC 1196
Db 140259 AAGTGATCCACTGCCTCGGCTCCCAAAGTGTCTGAGATTATAGCGCTGAGCCACCAAGC 140200
Qy 1197 CCAGCGGCTAAATTTAGATAAAAAAATATGTA 1228
Db 140199 CAGGCTCATGTATTTAAATTTTATAAAAAAGTTA 140168

RESULT 11
US-11-112-908-42
; Sequence 42, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 155515
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-112-908-42

Query Match 32.8%; Score 473; DB 12; Length 155515;
Best Local Similarity 69.6%; Pred. No. 0.17;
Matches 878; Conservative 0; Mismatches 320; Indels 63; Gaps 15;

Qy 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTGTGTCAGGCTGGAGTGCATGGCGCA 60
Db 30277 TTTTCTTTTTCAGATAGAG-TTTTCACTCTTTGTCAGGCTGGAGTGCATGGTGC 30335
Qy 61 TCTCAGCTCACGCAACCTCCGCTCCCGGTTCAAGCGATTCTCCTCCCTCAGCTCCC 120
Db 30336 TCTTGCTCAGTGCACCTCTGCTCTCGGTTTCAAGTGAATCTCTGCTCAGCTCCC 30395
Qy 121 CAGTAGCTGGGATTACAGGCATGTGCACCGCTCGGCTAATTTTGTATTTTATTTAG 180
Db 30396 AAGTAATGGGATTACAGGAGTGCACCAACACCCAGCTAATTTT---TGTATTTTATG 30452
Qy 181 TAGAGATGGAGTTTCTCAGTGTGGTCTCAGGCTGGTCTGAACTCCGACCTCAGATGATC 240
Db 30453 TAGAGATGGGTTTTCACCAATATGGCCAGGCTGGTCTTGAATCTCTGACCTC---GTGAT 30510
Qy 241 CCTCCGCTCCGCTCCCAAGTGTCTAGATACAGGCTGGCCACCATGCCGGCTCTGCC 300
Db 30511 CGCCACCTTGGCTTCCCAAGTGTCTG---GATTACAGGCTGAACCAACGCTGGC 30567
Qy 301 TGGCTAAATTTTGTGTGAACACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTG--- 357
Db 30568 TTTTCTTTTGTGTTCT-GAGACACAGTTTCACTCTGTTACCCAGGCTGGAGTGGGGTGG 30626
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Qy 358 --AGCTCAAGCAGTCCACCTGCTCAGCTCCCAAAAGTCTGGGATTACAGGCTGCAGC 415
Db 30627 CTTGATCTCGATCACTGCAACCTCCGCTCTCTGGGCTCAAGTGAATTTGCTGCTCAGC 30686
Qy 416 CGTGCCTCGGCTTTTATTTATTTTAAAGACAAGGTGTCCCACTCTTACCAGGA 475
Db 30687 CTCCCAAGTAGCCGAGATTACAGGCATGTGCCACCAACCCAGGTAATTTTGTATTTT 30746
Qy 476 TGAAGTGCAGTGTGTGATCA--CAGCTCACTGAGCCTTCACTCTGAGATCAAG-CA 532
Db 30747 GGTAGAGAGAGGTTTTCACATGTTGGCCAGGCTGTGAACTCTGACCTCAGGTGA 30806
Qy 533 TCCCTCCTGCTCAGCTCCCAAGTAGCTGGGACAAAGACATGCACACTTACACCTGGC- 591
Db 30807 TCCACCGCTCAGCTCCCAAGTGTGAGATTATAGGTGTGAGCCACACACCTGGCC 30866
Qy 592 -----TAAATTTTATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTT 640
Db 30867 TCAGGAAGTATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTT 30925
Qy 641 CACCCAGGCTGGAGTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTT 700
Db 30926 CGCCAGGCTAGAGTGCAGCGGGATCTCGGCTCACTGCAAGCTCCGCCCCCGGTT 30985
Qy 701 CAAATTTATCTCTGCCCCAGCCTCTGAGTAGCTGGGACTACAGGCGC---CCACCAGC 757
Db 30986 CAAAGCCATTTCTCTGCTCAGCTCCGAGTAGCTGGGACTACAGGCGCCCGCCACACA 31045
Qy 758 CCTAGCTAAATTTTGTATTTTATTTAGTAGAGTGGG-GTTTCACTATTTTCCAGGTTGA 816
Db 31046 CCGGCTAAATTTTGTATTTTATTTAGTAGAGCGGGTTTTCAGCGTGTAGCCAGGAGG 31105
Qy 817 TCTTGATCTCGACCTTGTGATCTGCTGCTCGGCTCCCAAGTCTGGGATTACAG 876
Db 31106 TCTCGATCTCGACCTCGTATCTGCTCGCTCGGCTCCCAAGTCTGGGATTACAG 31165
Qy 877 GCGTAGCCACCAACCGCGCTTATTTTAAATTTTGTGTTGTTGAAATGGAATCTCACT 936
Db 31166 GTGTAGCCACCAACCGGCT-----ATTTTATTTTGTGACAGGAGTCACT 31217
Qy 937 CTGTTACCCAGGCTGGAGTGCATGCGCAATCTCGGCTCACTGCAACCTCTGCTCCCG 996
Db 31218 CTGTCACTCGGCTGCAGTGCAGTGG-TACACCATAGTCACTGCAGCTCGAACTCTG 31276
Qy 997 GGCTCAAGCAGATTCTCTGCTCAGCTCCCAAGCAGCTGGGATTACGGCAGCTGCCAC 1056
Db 31277 AGCTCAAGTATCTCTCCACCTCATCTCCCAAGTAATGGGACTACAGGCGCACCCAC 31336
Qy 1057 CACACCCGCTAAATTTTGTAT-----TTTCAATTAGAGCGGGGTT 1097
Db 31337 CATGCCACCTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTAT 31396
Qy 1098 TCACCATATTTTGTAGGCTGGTCTCAAACTCTGACCTCAGGTGACCCACCTGCTCAGC 1157
Db 31397 TCCCTGTGTTGTCAGGCTGGTCTTGAACCTCTGAGCTCAAGGGATCTTTTGTGCTGGC 31456
Qy 1158 CTTCCAAAGTCTGGGATTACAGCGTGGAGCCACTCACCCAGCGGCTAATTTAGATAA 1217
Db 31457 CTCCCAAAGTCTGAGATTACAGGCATGAGCCCGTGGCCAGCTAGGAATCATTTTAA 31516
Qy 1218 A 1218
Db 31517 A 31517

RESULT 12
US-11-112-908-43
; Sequence 43, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
```

[illegible]


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Db 16740 GGAAGCTGGGACTATAGGATGCACTGTGAGTCTGCTTAATTTTAAAGTTTTTGTATC 16799
Qy 481 TGCAGTGGTGTATC--ACAGTCTACTGACGCTTCAACTCTCTGAGATCAAG-CATCCTC 537
Db 16800 AGACAAGGTATCACCGTGTGCCAGGTTGGTCTTGAATCTCCTGGCTCAAGTATAAT 16859
Qy 538 CTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACTGCTGCTAATTT 597
Db 16860 CTGCTCAACCTCCCAAGACACTGGGATACAGGCAAGGCACTCACTCTGCTGCTGTTG 16919
Qy 598 TTATTTTATTTTAAATTTTGGAGACAGAGTCTCAA-----CTCTGTCACCCAG 647
Db 16920 TATACCTTATTTTATTTTATTTTATTTTATTTTAAAGTGTGCTCTCTGTACCAAG 16979
Qy 648 GCTGGAGTGCAGTGGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTA 707
Db 16980 GTTGGAGTGCAGTGGTGCATCTCAGCTCACTGCAATCACCACTCCCAAGGCTCAAGTGA 17039
Qy 708 TTCTCTGCCAGCCTCTGAGTAGCTGGGACTACAGGCGCCACAGCCTAGCTAAT 767
Db 17040 TTCTGTGCTCACCTCCCAAGTAGCTGAGACTCAAGTGTGCTGCCACCAACTGGCT 17099
Qy 768 -TTTTTGTATTTTATAGTAGATGG-GGTTCAACATGTTGCCAGGTTGATCTTGATCT 825
Db 17100 AGATTTTGTATTTTATAGTAGGATGAGTTTCAACATGTTGCCAAGGCTGGTCTTGAAG 17159
Qy 826 CTGGACCT--TGTGATCTGCTGCTGCTGCCCTCCCAAGTGTGGGATACAGGCGTGAG 883
Db 17160 CCTGACCTCAGGTGATCTGCCACCTTGGCCTCCCAAGTGTGGGATACAGGCGAG 17219
Qy 884 CCACACGCGCGG-----TTATTTTAAATTTTGTGTTTGTGTTGAAA 924
Db 17220 CTGCTGCTGGCCTGTTGTATCTTTATTTTAAATTTTATTTTATTTTGTGAGA 17279
Qy 925 TGGAACTCTCACTCTGTTACCCAGGCTGGAGTGCATGGCCAAATCTCGCTCAGTGCAC 984
Db 17280 TGGAACTCTGCTCTGTTACCCAGGCTGGATGAGTGGTGCATCTTGGCTCAGTGCAC 17339
Qy 985 CTCTGCTCCCGGCTCAAGCGATTCCTCTGCTCAGCCTCCCAAGCAGCTGGGA-TTAC 1043
Db 17340 CTCTGCTGCCAAGTTCAAGTGATCTCTCACTCAGCCTCCCAAGTAGTAGATTAA 17399
Qy 1044 GGGACACTGCCACACACCCCGCTAA--TTTTTGTATTTTCAATTAAGCGCGGTTTCA 1101
Db 17400 AGCGGTGCACACACACCTGGCTAATTTTTTATATTTTATAGTAGAGATGGGATTTCA 17459
Qy 1102 CATATTTGTGAGCTGGTCTCAAACTCTGCTCAGTGCACCACTGCTGCTGCTGCTC 1161
Db 17460 TGGTGTGCTGAGCTGGTCTGAACTCTGATCTCAAGTGTCCATCCACCTTGGTCTCC 17519
Qy 1162 CAAAGTGTGGATTAAGGCTGAGGCTGAGCCACCTCACCCAGCGG 1204
Db 17520 CAAAGTGTGGATTAAGGCTGATCCACCGCGCCAGGCTG 17562
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RESULT 15

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US-11-112-908-50
; Sequence 50, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
```

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; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 170189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-50

Query Match      32.8%; Score 472.6; DB 12; Length 170189;
Best Local Similarity 68.2%; Pred. No. 0.16;
Matches 848; Conservative 0; Mismatches 349; Indels 46; Gaps 12;

Qy 1 TTTTATTTTGTAGATGGAGTTTTTCGCTCTTGTGTTCCCGAGGCTGAGTGCATGGCGCAA 60
Db 49087 TTATTTATTTTGTAGATGGAG-TTTTGGCTCTTGTGTTCCCGAGGCTGAGTGCATGGCGTGA 49145
Qy 61 TCTCAGCTCACCGCAACCTCCGCTCTCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCC 120
Db 49146 TCTCGGCTCACCGTAAACCTCGGCTCCCGAGGTTCAAGCGATTTCTCTGCTTAGCTCCC 49205
Qy 121 CAGTAGCTGGGATTTACAGGCAATGTCACCCAGGCTCGGCTAATTTTGTATTTTGTAG 180
Db 49206 GAGTAGCTGGGATTTACAGGCAATGTCACCCAGGCTCGGCTAATTTTGTATTTTGTAG 49261
Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGCTCGAACTCCCGACCTCAGATGATC 240
Db 49262 TAGAGCGGGTCTTCTCATGTTGGTCAAGGCTGTTCTCAAACTCCCGACCTCAGTGTATC 49321
Qy 241 CCTCGTCTCGGCTCTCCAAAGTGTGATACAGGACTTGGCGACCATGCCCGGCTCTGCC 300
Db 49322 TGACCGCTCGGCTCTCCAAAGTGTGCGGATTAAGGCTGAGGCA--CCATGCCCTGGCC 49379
Qy 301 TGGCTAATTTTGTGGTAGAAACAGGCTTTCACGTGTGCGCAAGCTGGTCTCTGTGAGC 360
Db 49380 TACATATTTATTTTGTGAGACAAACTCTTTGTCAACCCAGGAGGAGTGCATGATGA 49439
Qy 361 TCAAGCAGTCCACCTGCTCAGCCTCCCAAGTGTGCGGATTAAGGCGTGCAGCGCTGC 420
Db 49440 TCATGGCTCACTGACGCTTCAACTTCTGGGTTCAAGCCATCTCTCCCGCTTAGCTCTCT 49499
Qy 421 CTGCGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGCCACTTTTACCAGGATGAAG 480
Db 49500 GGGAACTGGGACTATAGGCAATGACACTGTCAAGTCTGCTAATTTTAAAGTTTGTGATC 49559
Qy 481 TGCAGTGGTGTGATC--ACAGCTCAGTCGACCTTCACTCTCTGAGATCAAG-CATCCTC 537
Db 49560 AGACAAGGTATCACCGGTTGTGCGGAGTGTGTTGAACCTCTGCGCTCAAGTATTAAT 49619
Qy 538 CTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTTAATTT 597
Db 49620 CTGCTCAACCTCCCAAGACTGGGATTAAGGCAAGGCAATCACTCTCTGCGCTGTG 49679
Qy 598 TTATTTTATTTTAAATTTTGTGAGACAGAGTCTCAA-----CTCTGTCAACCCAG 647
Db 49680 TATACCTTATTTATTTTATTTTATTTTAAAGTGTGAGTCTCTCTGTCAACCAAG 49739
Qy 648 GCTGGAGTGCAGTGGCGCAATCTTGGCTCACTGCAACTCTGCTCCCGGTTCAAGTTA 707
Db 49740 GTTGGAGTGCAGTGGTGCATCTCAGCTCACTGCAATCAACCACTCCAGGCTCAAGTGA 49799
Qy 708 TTCTCTCGCCCGCAGCCTCTCTGAGTAGCTGGGACTTACAGGCGCCCAACCGCTAGCTAAT 767
Db 49800 TTCTGTGCTCACCCTCCCAAGTAGTGTGAGACTTCAAGTGTGCTGCCACCACTAGCT 49859
Qy 768 -TTTTTGTATTTTGTAGTAGATGG-GGTTCAACATTTTGTGCGCAGGTTGATCTTGTATCT 825
Db 49860 AGATTTTGTATTTTGTAGTAGGATGGGATTTCAACATGTTGGCAAGGCTGCTCTTGAACG 49919
Qy 826 CTGGACCT--TGTGATCTGCTGCTGCGCTCCCAAGTGTGCGGATTAAGGCGTGAG 883
Db 49920 CCTGACCTCAGGTGATCTGCGCCACTTGGGCTCTCCAAAGTGTGCGGATTAAGGCGAG 49979
```

Qy 884 CCACCACGCCCGGC-----TTATTTTAAATTTTGTGTTTGAAA 924
| | | | |
Db 49980 CTGTCGTGCTGGCCCTGTTGTACACTTTATTTTAAATTTATTTTATTTTGGAGA 50039
| | | | |
Qy 925 TGGAAATCTCACTCTGTTTACCCAGGCTGGAGTGCATGGCCAAATCTCGGCTCACTGCAAC 984
| | | | |
Db 50040 TGGAAATCTTGCTCTGTTTACCCAGGCTGGAATGCAAGTGGTGCATCTTTGGCTCACTGCAAC 50099
| | | | |
Qy 985 CTCTGCCTCCCGGCTCAAGCGATTCTCTGTCTCAGCCTCCCAAGCAGCTGGGA-TTAC 1043
| | | | |
Db 50100 CTCTGCCTGCCAAGTTCAAGTGATCCTCTCACCTCAGCCTCCCAAGTAGCTAGGATTTAA 50159
| | | | |
Qy 1044 GGGCACCTGCCACACACCCCGCTAA--TTTTGTATTTTCAATTTAGAGCGGGGTTTCAC 1101
| | | | |
Db 50160 AGCGGTGCACCACACACCTGGCTAAATTTTTTATATTTTAGTAGAGATGGGATTTTAC 50219
| | | | |
Qy 1102 CATATTTGTGAGGCTGGTCTCAAACTCCTGACCTCAGGTGACCCACCTGGCTCAGCCTTC 1161
| | | | |
Db 50220 TGGGTTGGTCAAGGCTGGTCTCGAACTCCTGATCTCAAGTGATCCATCCACCTTGGTCTCC 50279
| | | | |
Qy 1162 CAAAGTGTGGGATTACAGGGGTGAGCCACCTCACCCAGCCGG 1204
| | | | |
Db 50280 CAAAGTGTGGGATTACAGGTGTGATCCACCGCGCCAGCCTG 50322
| | | | |

Search completed: March 23, 2006, 21:58:10
Job time : 537.5 secs

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	2034	100.0	375	1	US-08-454-557C-121	Sequence 121, App
2	2034	100.0	375	1	US-08-340-426D-121	Sequence 121, App
3	2034	100.0	375	1	US-08-450-673C-121	Sequence 121, App
4	2034	100.0	375	2	US-09-872-968-2	Sequence 2, Appli
5	2034	100.0	375	2	US-10-153-334-1	Sequence 1, Appli
6	1415.5	69.6	397	4	PCF-US95-17111A-121	Sequence 121, App
7	377.5	18.6	158	2	US-10-104-047-3047	Sequence 3047, Ap
8	324	15.9	189	2	US-10-104-047-3196	Sequence 3196, Ap
9	307	15.1	114	2	US-10-104-047-2423	Sequence 2423, Ap
10	301	14.8	156	2	US-10-104-047-2334	Sequence 2334, Ap
11	283.5	13.9	110	2	US-10-104-047-3422	Sequence 3422, Ap
12	283	13.9	123	2	US-10-104-047-2112	Sequence 2112, Ap
13	280	13.8	152	2	US-10-104-047-2372	Sequence 2372, Ap
14	267.5	13.2	96	2	US-09-513-999C-6065	Sequence 6065, Ap
15	262	12.9	46	2	US-10-153-334-48	Sequence 48, Appl
16	261.5	12.9	128	2	US-10-104-047-2789	Sequence 2789, Ap
17	259.5	12.8	144	2	US-09-513-999C-6953	Sequence 6953, Ap
18	258	12.7	129	2	US-10-104-047-2565	Sequence 2565, Ap
19	256	12.6	108	2	US-09-513-999C-7878	Sequence 7878, Ap
20	254.5	12.5	239	2	US-09-800-729-193	Sequence 193, App
21	254.5	12.5	310	2	US-09-800-729-130	Sequence 190, App
22	253	12.4	118	2	US-09-663-600A-114	Sequence 114, App
23	252.5	12.4	110	2	US-10-104-047-2974	Sequence 2974, Ap
24	251	12.3	776	2	US-10-020-079-24	Sequence 24, Appl
25	251	12.3	776	2	US-10-413-437-24	Sequence 24, Appl
26	251	12.3	789	2	US-10-020-079-22	Sequence 22, Appl
27	251	12.3	789	2	US-10-413-437-22	Sequence 22, Appl

Db 61 LHVQAGLELPTSDPSVSASQSRVYRTGHARLCLANFCGRNRVSLMCPFSWSPKQST 120
Qy 121 CLSLPKCDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLFIPIFNFLRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHYTWLFIPIFNFLRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Qy 301 LFEMESHVSVTQAGVQWPNLGLQPLPGPKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVSVTQAGVQWPNLGLQPLPGPKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 2
US-08-340-426D-121
; Sequence 121, Application US/08340426D
; Patent No. 5948634
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,426D
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-340-426D-121

Query Match 100.0%; Score 2034; DB 1; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASASPVAGITGMCTHARLILYFFLVMEF 60
Db 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASASPVAGITGMCTHARLILYFFLVMEF 60

Qy 61 LHVQAGLELPTSDPSVSASQSRVYRTGHARLCLANFCGRNRVSLMCPFSWSPKQST 120
Db 61 LHVQAGLELPTSDPSVSASQSRVYRTGHARLCLANFCGRNRVSLMCPFSWSPKQST 120
Qy 121 CLSLPKCDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLFIPIFNFLRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHYTWLFIPIFNFLRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Qy 301 LFEMESHVSVTQAGVQWPNLGLQPLPGPKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVSVTQAGVQWPNLGLQPLPGPKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 3
US-08-450-673C-121
; Sequence 121, Application US/08450673C
; Patent No. 5948888
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-673C-121

Query Match 100.0%; Score 2034; DB 1; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASASPVAGITGMCTHARLILYFFLVMEF 60
Db 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASASPVAGITGMCTHARLILYFFLVMEF 60

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Qy 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120

Qy 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180
Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180

Qy 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240

Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300

Qy 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360

Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

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RESULT 4
US-09-872-968-2
; Sequence 2, Application US/09872968
; Patent No. 6770797
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; TITLE OF INVENTION: Inhibition of Neurodegeneration
; FILE REFERENCE: 21486-047
; CURRENT APPLICATION NUMBER: US/09/872,968
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-968-2

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Query Match 100.0%; Score 2034; DB 2; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60

Qy 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120

Qy 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180
Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180

Qy 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240

Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300

Qy 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360

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Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 5
US-10-153-334-1
; Sequence 1, Application US/10153334
; Patent No. 6924266
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153,334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-334-1

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Query Match 100.0%; Score 2034; DB 2; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60

Qy 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db 61 LHVQAGLELPTSDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120

Qy 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180
Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSLQSTPEIKHPPASQ 180

Qy 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240

Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300

Qy 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360

Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

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RESULT 6
PCT-US95-17111A-121
; Sequence 121, Application PC/TUS9517111A
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
; TITLE OF INVENTION: Detection of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington

```

```

; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIORITY INFORMATION:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0509.3840002
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 397 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-17111A-121

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Query Match 69.6%; Score 1415.5; DB 4; Length 397;
Best Local Similarity 74.6%; Pred. No. 1e-146;
Matches 285; Conservative 10; Mismatches 44; Indels 43; Gaps 7;

Qy 1 MEFSLLLPRLECGAISAHRNLRLEPGSSDSPASASPVAGITGMCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPRLECGAISAHRNLRLEPGSSDSPASASPVGWDYRHVHARLILYFFLVEMEF 60

Qy 61 LHVGAGLEL-----PTSDPSVASOSARYRTGHHARLCLANFCGRNRVSLMCP 110
Db 61 LHVGAGLELPRQMLPSRPPKVLDTGLSTMPG-----LCLANFCGRNRVSLMCP 110

Qy 111 SWSPELKOSTCLSLPKCDYRAAPVGLFILLFELHRCPTLTQDEVQWCDHSSLOPSTPE 170
Db 111 SWSPELKOSTCLSLPKCDYRAAPVGLFILLFELHRCPTLTQDEVQWCDHSSLOPSTLR 170

Qy 171 ----IKHPPASQVAGTKDMHHYTWLIFIFIFNLRQSLNSVTQAGVQWRNLSLQPLP 226
Db 171 SILLPQPP-----KVAGTKDMHHYTWLIFIFNLRQSLNSVTQAGVQWRNLSLQPLP 226

Qy 227 PGKLFSCPSLLSSWDYRRPPRLANFFVFLVEMGF-----TWPAR-----LILISGPCDLPA 278
Db 227 PGKLFSCPSLLSSWDYRRPPRLANFFVFLVEMGFPHVRQVDARSLDLVI CLPRP----- 281

Qy 279 SASQAGITGVSHHARLIFNFCFLFEMESHVSVTQAGVQWRNLSLQPLPGLKRFSCLSLP 338
Db 282 --PKVLGLQDVTPPTARPIFNFCFLFEMESHVSVTQAGVQWRNLSLQPLPGLKRFSCLSLP 339

Qy 339 SSWDYGHLPPHPANFCIFIRGG 360
Db 340 SSWDYGHLHHTPLIFVFSLEAG 361

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RESULT 7
US-10-104-047-3047
; Sequence 3047, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25

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; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3047
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3047

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Query Match 18.6%; Score 377.5; DB 2; Length 158;
Best Local Similarity 53.3%; Pred. No. 3e-33;
Matches 81; Conservative 7; Mismatches 21; Indels 43; Gaps 3;

Qy 207 NSVTQAGVQWRNLSLQPLPGLKRFSCPSLLSSWDYRR-PPRLANFFVFLVEMEF 265
Db 4 HSVTQAGVQWCGLSLQPLPGLKRFSCPSLLSSWDYRRVPPPLANFCIF----- 53

Qy 266 RLILISGPCDLPASASQAGITGVSHHARLIFNFCFLFEMESHVSVTQAGVQWRNLSLQPL 325
Db 54 -----FSGF-FFEKESLSVTQAGVQWHDLSLQAA 81

Qy 326 PGLKRFSCLSLPSWDYHGLPPHPANFCIFI 357
Db 82 PPGFTPFSCLSLPSWYRRPPPCPANFFVFL 113

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RESULT 8
US-10-104-047-3196
; Sequence 3196, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3196
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3196

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Query Match 15.9%; Score 324; DB 2; Length 189;
Best Local Similarity 39.6%; Pred. No. 2.9e-27;
Matches 99; Conservative 11; Mismatches 66; Indels 74; Gaps 10;

Qy 8 PRLECGAISAHRNLRLEPGSSDSPASASPVAGITGMCTHARLILYFFLVEMEF 67
Db 3 PRLECGAISAHRNLRLEPGSSDSPASASPVAGITGMCTHARLILYFFLVEMEF 61

Qy 68 LELETPSDPSVASOSARYRTGHHARLCLANFCGRNRVSLMCPSPKOSTCLSLPKC 127
Db 62 LELETPSDPSVASOSARYRTGHHARLCLANFCGRNRVSLMCPSPKOSTCLSLPKC 96

Qy 128 WDYRAAPVGLFILLFELHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQVAGTKDM 187
Db 97 -----LJFPRLECSGVI-----TAHCSLNPLGS--SSPTSDSGVAGPTRP 135

Qy 188 HHTWLIPIFIFNLRQSLNSVTQAGVQWRNLSLQPLPGLKRFSCPSLLSSW 241
Db 136 HHTWLIPIFIFNLRQSLNSVTQAGVQWRNLSLQPLPGLKRFSCPSLLSSW 175

Qy 242 DYR-RPRLA 250
Db 176 DYRHEPPHLA 185

RESULT 9

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; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2372
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2372

Query Match      13.8%; Score 280; DB 2; Length 152;
Best Local Similarity 44.6%; Pred. No. 1.4e-22;
Matches 70; Conservative 12; Mismatches 51; Indels 24; Gaps 5;

Qy 231 LPSCEPLL-SWDYRRPP-RLANFVFLVENG-----FTMFARLLIISGCDLPASAS 281
Db 8 LVSSVSFLPKCDYRHEPLRPASLELSLAIGNRSKNWSFFLEL-----ASPQ 55

Qy 282 QSAGITGVSHARLIIFNFC--LFEMESHVTOAGVQVWPNLGSLOPLPPGLKRFSCLSLP 338
Db 56 IRPLRWASEVERLLCVFVFVFRQGSCTVQAGVQWRDLSSLOQPSGFGKRFSCLSLP 115

Qy 339 SSWDYGHLPHPANFCIFIRGVSPLYSLGWSQTPDLR 375
Db 116 SSWDYRHLPPHLASFIFSRDNDVNSQCCPGWSRTGFK 152

RESULT 14
US-09-513-999C-6065
; Sequence 6065, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59 US2 REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 2000-02-24
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 6065
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-6065

Query Match      13.2%; Score 267.5; DB 2; Length 96;
Best Local Similarity 60.4%; Pred. No. 1.7e-21;
Matches 61; Conservative 3; Mismatches 22; Indels 15; Gaps 2;

Qy 205 SLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSSWDYRRPPRLANFFVFLVEMGFTMF 264
Db 2 SFTLVQAGVQWRDLGSPQLPPGFKRFSCFSLPSSWDYRHPVLLPANLVFLVENGFTMF 58

Qy 265 ARLIILISGFC-----DLPASASQSAGITGVSHARLIIF 297
Db 59 ----LHVGPAGLGLPTSGDLPPASASQSAGIIGVSHRSQPPF 95

RESULT 15
US-10-153-334-48
; Sequence 48, Application US/10153334
; Patent No. 6924266
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153,334
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; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-334-48

Query Match      12.9%; Score 262; DB 2; Length 46;
Best Local Similarity 100.0%; Pred. No. 2.4e-21;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 308 SVTQAGVQWPNLGSLOPLPPGLKRFSCLSLPSSWDYGHLPHPANF 353
Db 1 SVTQAGVQWPNLGSLOPLPPGLKRFSCLSLPSSWDYGHLPHPANF 46

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Job time : 27 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 23, 2006, 17:51:58 ; Search time 169 Seconds
(without alignments)
927.136 Million cell updates/sec

Title: US-09-380-203-2
Perfect score: 2034
Sequence: 1 MFPSLLPLRLECNCAISAHNR.....FIRGGVSPYLSQSQTPDLR 375

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
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2: /cgn2_6/prodata1/pubpaa/US08_PUBCOMB.pap:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2034	100.0	375	3	US-09-964-666-2
2	2034	100.0	375	3	US-09-964-412-2
3	2034	100.0	375	3	US-09-964-667-2
4	2034	100.0	375	3	US-09-872-968-2
5	2034	100.0	375	3	US-09-964-678A-2
6	2034	100.0	375	4	US-10-146-130-2
7	2034	100.0	375	4	US-10-092-934-10
8	2034	100.0	375	4	US-10-153-334-1
9	2034	100.0	375	4	US-10-198-069-1
10	2034	100.0	375	4	US-10-157-031-299
11	2034	100.0	375	4	US-10-198-070-1
12	2034	100.0	375	4	US-10-755-889-410
13	2034	100.0	375	5	US-10-910-173-2
14	822.5	40.4	411	5	US-10-450-763-38787
15	735	36.1	290	5	US-10-450-763-52272
16	734.5	36.1	361	3	US-09-995-494-107
17	729	35.8	449	4	US-10-007-280A-140
18	590	29.0	276	5	US-10-450-763-38278
19	569	28.0	241	4	US-10-276-774-1834
20	546	26.8	215	5	US-10-450-763-38280
21	517	25.4	213	4	US-10-296-115-911
22	471	23.2	286	4	US-10-291-172-654
23	471	23.2	286	4	US-10-221-278-654
24	464	22.8	154	5	US-10-450-763-38784
25	457.5	22.5	264	5	US-10-450-763-52437
26	428.5	21.1	183	3	US-09-989-920-245
27	427	21.0	146	5	US-10-450-763-38554

28	407	20.0	361	4	US-10-276-774-1862	Sequence 1862, Ap
29	382.5	18.8	341	5	US-10-220-335-586	Sequence 586, App
30	382.5	18.8	673	4	US-10-157-031-291	Sequence 291, App
31	377.5	18.6	158	4	US-10-104-047-3047	Sequence 3047, Ap
32	365.5	18.0	126	5	US-10-450-763-38786	Sequence 38786, A
33	356.5	17.5	603	4	US-10-408-765A-140	Sequence 140, App
34	353.5	17.4	217	4	US-10-017-161-1956	Sequence 1956, Ap
35	353.5	17.4	217	4	US-10-292-798-1604	Sequence 1604, Ap
36	349	17.2	157	4	US-10-108-260A-4272	Sequence 4272, Ap
37	336	16.5	148	4	US-10-276-774-1784	Sequence 1784, Ap
38	332	16.3	108	4	US-10-078-090-143	Sequence 143, App
39	328.5	16.2	252	5	US-10-450-763-33745	Sequence 33745, A
40	324	15.9	189	4	US-10-104-047-3196	Sequence 3196, Ap
41	317	15.6	122	5	US-10-450-763-38275	Sequence 38275, A
42	316	15.5	152	4	US-10-198-070-112	Sequence 112, App
43	311	15.3	74	4	US-10-276-774-1929	Sequence 1929, Ap
44	310	15.2	101	4	US-10-094-749-2181	Sequence 2181, Ap
45	309.5	15.2	107	4	US-10-276-774-1874	Sequence 1874, Ap

ALIGNMENTS

RESULT 1
US-09-964-666-2
; Sequence 2, Application US/09964666
; Patent No. US20020104108A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/964,666
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-964-666-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MFPSLLPLRLECNCAISAHNRRLPGSSDSDSPASPVAGITGMCTHARLILYFFLVEMEF 60
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DB 181 VAGTKDMHHTWLIFFIFNFRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGCDLPASASQSGAGITGVSHHARLIENFC 300
DB 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGCDLPASASQSGAGITGVSHHARLIENFC 300
QY 301 LFEMESHVSQTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 360
DB 301 LFEMESHVSQTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 2
US-09-964-412-2
; Sequence 2, Application US/09964412
; Patent No. US20020129391A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,412
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2540
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-964-412-2
Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MEPSLLPLRECNCAISAHNRLPGSSDSPASASPVAGITGMCTHARLILYFPLVEMEF 60
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DB 121 CLSLPKCWDYRAAIVPGLFIFLFRHRCPTLTQDEVQWCDHSSLPSTPEIKHPPASQ 180
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DB 181 VAGTKDMHHTWLIFFIFNFRQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGCDLPASASQSGAGITGVSHHARLIENFC 300
DB 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGCDLPASASQSGAGITGVSHHARLIENFC 300
QY 301 LFEMESHVSQTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 360
DB 301 LFEMESHVSQTQAGVQWRNLGSLQPLPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 3
US-09-964-667-2
; Sequence 2, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-964-667-2
Query Match 100.0%; Score 2034; DB 3; Length 375;

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Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LHVGQAGLELPTSDPSVSASQSAARYTGHARLCLANFCGRNRVSLMCPSPKQST 120
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DB 121 CLSLPKCWYRRAAVPGLFILFLLRHRCTLTQDEVQWCDHSLQSTPEIKHPPASQ 180
QY 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
DB 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
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DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
QY 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGKRFSCLSLPSWDYGHLPHPANFCIFIRG 360
DB 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGKRFSCLSLPSWDYGHLPHPANFCIFIRG 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 4
US-09-872-968-2
; Sequence 2, Application US/09872968
; Publication No. US20030050262A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; APPLICANT: de la Monte, Suzanne M
; TITLE OF INVENTION: Inhibition of Neurodegeneration
; FILE REFERENCE: 21486-047
; CURRENT APPLICATION NUMBER: US/09/872,968
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-968-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LHVGQAGLELPTSDPSVSASQSAARYTGHARLCLANFCGRNRVSLMCPSPKQST 120
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DB 121 CLSLPKCWYRRAAVPGLFILFLLRHRCTLTQDEVQWCDHSSLPSTPEIKHPPASQ 180
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DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
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DB 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGKRFSCLSLPSWDYGHLPHPANFCIFIRG 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 5
US-09-964-678A-2
; Sequence 2, Application US/09964678A
; Publication No. US20030066097A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs
; TITLE OF INVENTION: Effective for the Treatment or Prevention of
; TITLE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 0609.4370002
; CURRENT APPLICATION NUMBER: US/09/964,678A
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: 09/380,203
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US98/03685
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/038,908
; PRIOR FILING DATE: 1997-02-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: AD7c-NTP cdNA
US-09-964-678A-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
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DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
QY 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGKRFSCLSLPSWDYGHLPHPANFCIFIRG 360
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DB 361 VSPYLSGWSQTPDLR 375
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RESULT 6
US-10-146-130-2
; Sequence 2, Application US/10146130
; Publication No. US20030004107A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: METHOD OF PREVENTING CELL DEATH USING SEGMENTS OF
; TITLE OF INVENTION: NEURAL THREAD PROTEINS
; FILE REFERENCE: 59003.000007
; CURRENT APPLICATION NUMBER: US/10/146.130
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-130-2
Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 181 VAGTKDMHHTWLIIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
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Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
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Db 361 VSPYLSGWSQTPDLR 375

RESULT 7
US-10-092-934-10
; Sequence 10, Application US/10092934
; Publication No. US20030054990A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: METHODS OF USING NEURAL THREAD PROTEINS TO TREAT TUMORS
; TITLE OF INVENTION: AND CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018792-0199
; CURRENT APPLICATION NUMBER: US/10/092.934
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: 60/273.957
; PRIOR FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 10
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-934-10
Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 181 VAGTKDMHHTWLIIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Db 181 VAGTKDMHHTWLIIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375
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Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
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Qy 61 LHVGQAGLELPTSDDPVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPWSPKQST 120
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Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 8
US-10-153-334-1
; Sequence 1, Application US/10153334
; Publication No. US20030096350A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153.334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293.156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-334-1
Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPRLECNCAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDDPVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPWSPKQST 120
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Qy 121 CLSLPKCDYDRAAVPGLFILFLHRCPPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
Db 121 CLSLPKCDYDRAAVPGLFILFLHRCPPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
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Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFCSLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375
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RESULT 9

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US-10-198-069-1
; Sequence 1, Application US/10198069
; Publication No. US20030096756A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000009
; CURRENT APPLICATION NUMBER: US/10/198,069
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-198-069-1
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Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLLPLECNGAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPLECNGAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPSVSASQASARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db 61 LHVGQAGLELPTSDPSVSASQASARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Qy 121 CLSLPKCDWYRRAAVPGLFIFLFRHRCPTLTQDEVQVQWRNLGSLQPLPPGFKLFSCPSLLSS 180
Db 121 CLSLPKCDWYRRAAVPGLFIFLFRHRCPTLTQDEVQVQWRNLGSLQPLPPGFKLFSCPSLLSS 180
Qy 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFCSLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFCSLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375
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RESULT 10

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US-10-157-031-299
; Sequence 299, Application US/10157031
; Publication No. US2003010890A1
; GENERAL INFORMATION:
; APPLICANT: Baranova, A. V.
; APPLICANT: Yankovsky, N. K.
; APPLICANT: Kozlov, A. P.
; APPLICANT: Lobashev, A. V.
; APPLICANT: Krukovskaya, L. L.
; TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
; FILE REFERENCE: 2760-103
; CURRENT APPLICATION NUMBER: US/10/157,031
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 415
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 299
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-157-031-299

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLLPLECNGAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPLECNGAISAHNRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPSVSASQASARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db 61 LHVGQAGLELPTSDPSVSASQASARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Qy 121 CLSLPKCDWYRRAAVPGLFIFLFRHRCPTLTQDEVQVQWRNLGSLQPLPPGFKLFSCPSLLSS 180
Db 121 CLSLPKCDWYRRAAVPGLFIFLFRHRCPTLTQDEVQVQWRNLGSLQPLPPGFKLFSCPSLLSS 180
Qy 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFCSLSLPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFCSLSLPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 11
US-10-198-070-1
; Sequence 1, Application US/10198070
; Publication No. US20030109437A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; APPLICANT: GEMWELL, JACK
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000008
; CURRENT APPLICATION NUMBER: US/10/198,070
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
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; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-198-070-1

Query Match      100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHNRNLRPGSSDSPASASPVAGITGMCCTHARLILYFFLVEMEF 60
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db
Qy 121 CLSLPKCDWYRRAAVPGLFILFLRHRCPRTLQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db
Qy 121 CLSLPKCDWYRRAAVPGLFILFLRHRCPRTLQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db
Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
Db
Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db

RESULT 13
US-10-910-173-2
; Sequence 2, Application US/10910173
; Publication No. US20050090441A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; APPLICANT: de la Monte, Suzanne M
; TITLE OF INVENTION: Inhibition of Neurodegeneration
; FILE REFERENCE: 21486-047
; CURRENT APPLICATION NUMBER: US/10/910,173
; CURRENT FILING DATE: 2004-08-02
; PRIOR FILING DATE: 2004-08-02
; PRIOR FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-910-173-2

Query Match      100.0%; Score 2034; DB 5; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHNRNLRPGSSDSPASASPVAGITGMCCTHARLILYFFLVEMEF 60
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db
Qy 121 CLSLPKCDWYRRAAVPGLFILFLRHRCPRTLQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db
Qy 121 CLSLPKCDWYRRAAVPGLFILFLRHRCPRTLQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db
Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
Db
Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db

US-10-755-889-410
; Sequence 410, Application US/10755889
; Publication No. US20040171823A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-kB
; TITLE OF INVENTION: PATHWAY
; FILE REFERENCE: D0284 NP
; CURRENT APPLICATION NUMBER: US/10/755,889
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: U.S. 60/440,068
; PRIOR FILING DATE: 2003-01-14
; PRIOR APPLICATION NUMBER: U.S. 60/469,757
; PRIOR FILING DATE: 2003-05-12
; NUMBER OF SEQ ID NOS: 823
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 410
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-755-889-410

Query Match      100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHNRNLRPGSSDSPASASPVAGITGMCCTHARLILYFFLVEMEF 60
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
Db
Qy 61 LHVGQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
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Qy 121 CLSLPKCDWYRRAAVPGLFILFLRHRCPRTLQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
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Db
Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
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Qy 181 VAGTKDMHYTWLIFIFLNFLRQSLNSVTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 240
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 241 WDYRRPRLANFFVFLVEMGTMPFARLILISGPCDLPASASQASAGITGVSHHARLIENFC 300
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 301 LFEMESHVSTQAGVQWRNLSGLQPLPPGFKLFSCPSLLSS 360
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db
Qy 361 VSPYLSGWSQTPDLR 375
Db
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Db 301 LPEMESHSVTQAGVQWPNLGSLOPLPGLKRFSLSLPSSWDYGHLPHPANFCPIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 14
US-10-450-763-38787
; Sequence 38787, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 38787
; LENGTH: 411
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(411)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-38787

Query Match 40.4%; Score 822.5; DB 5; Length 411;
Best Local Similarity 51.0%; Pred. No. 2.2e-69;
Matches 200; Conservative 37; Mismatches 120; Indels 35; Gaps 14;

Qy 4 SILLPRLECNCAISAHNRNLPGSSDPSASPVAGITGCTHARLILLYFLVEMFLHV 63
Db 12 SPLPRLCQSGMILAYCNRLGSSNSVASAGVAGITGCTHTQXI-FVFLVETGFHV 70
Qy 64 GOAGLELPTSDPSVSASQSR-YRTGHAR--LCLANFCGRNRVSLMCPSPKQST 120
Db 71 GOAGLEFLTSGDLPTSASQSRDYRDDHTRPEK---FCXKTHLWSPSWSEERSG 127
Qy 121 CLS-----LPKWDYRRAAVPGLFILFRLHRCPTLTQDEVQWCHDSSLQSTPEIK 172
Db 128 FFSQDSXKSSRYPK-----KLLGMWVIAINIGTRTXKXKFKTREYIGTH-SIHRGN 179
Qy 173 HPPASASQVAGTKOMHHYTWLI---FIFNPLRQSLNSVTQAGVQWPNLGSLOPLP 229
Db 180 H-GVNTYHVASEK-LHXITYRMKAKNFFFLRELASVAQAGVQWDLGSLQSPPGP 237
Qy 230 KLFSCPSLLSNDYR--PPRLANFVFLVEM--GFTMFARLILISGCDLPA-SASQ 285
Db 238 TPFSCPASLRSDYRVRVLPCLANFLLYFSNRGRGFTVFSRWSISXPRDQPASASQ 297
Qy 286 ITGVSHHARL--IFNCLF-EMESHVQAGVQWPNLGSLOPLPGLKRFSLSLPSSWD 342
Db 298 ITGVSHHARLKIIFLFFFTESRSVAQAGVQWHDLSRHRPPPGFTPFCSLSPSSWD 357
Qy 343 YGHLPPHPANFCIFIRGVSPVLSGWSQTPDL 374
Db 358 YRGPPRPANFCVFSRDGVSFCXGWSRSPDL 389
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RESULT 15
US-10-450-763-52272
; Sequence 52272, Application US/10450763
; Publication No. US20050196754A1
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; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 52272
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(290)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-52272

Query Match 36.1%; Score 735; DB 5; Length 290;
Best Local Similarity 47.6%; Pred. No. 3.1e-61;
Matches 182; Conservative 17; Mismatches 69; Indels 114; Gaps 12;

Qy 6 LLPRLECNCAISAHNRNLPGSSDPSASPVAGITGCTHARLILLYFLVEMFLHVQ 65
Db 11 LSPRLCSGAISAHNLCIPGSSDPSASR--ITGISGARHHAQLILYFLVEMRPHV 68
Qy 66 AGLELPTSDPSVSASQSR-YRTGHARLCLANFCGRNRVSLMCPSPKQSTCLSLP 125
Db 69 AGLXLTSGNP-----HH-----LGLP 85
Qy 126 KCWDYRRAAVPGLFILFRLHRCPTLTQDEVQWCHDSSLQSTPEIKHPPASASQVAGTK 185
Db 86 KCWDYSRKPP-----RPPRP----- 101
Qy 186 DMHHYTWLIFIFNPLRQSLNSVTQAGVQWPNLGSLOPLPGLKRFSLSLSNDYR- 244
Db 102 -----IFSFFLRWSLALVAQAGWQDDLSLQPLPPGPKXFSCLSLRSDYGC 152
Qy 245 RPRLANFF-----VFLVEMGFTMFARL---ILISGCDLPA-SASOSAGITGVSHHARL 295
Db 153 PPRLANFVCCVVCVVVDGGFTMLRGLLELTSG--DLPPGLPKCLGFTGSHCARP 210
Qy 296 IFNCLFEMESHVQAGVQWPNLGSLOPLPGLKRFSLSLPSSWDYGHLPHPANFC- 354
Db 211 IFFF--FEMESCFATQAGVQWCDLSLQPLPPRPFKXFSCLSLSLSDYRHMPPCLANFCP 268
Qy 355 -IFIRGVSPVLSGWSQTPDLR 375
Db 269 GIFSRDRVSCWGRSQTDLK 290

Search completed: March 23, 2006, 17:55:30
Job time : 170 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 23, 2006, 17:52:48 ; Search time 24 Seconds
(without alignments)
447.233 Million cell updates/sec

Title: US-09-380-203-2

Perfect score: 2034

Sequence: 1 MFESLLPLECNGAISAH.....FIRGGVSPYLGSQTPDLR 375

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:

- 1: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US12_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/1/pubpaa/US13_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	377.5	18.6	158	7	US-11-072-512-3047
2	324	15.9	189	7	US-11-072-512-3196
3	307	15.1	114	7	US-11-072-512-2423
4	301	14.8	156	7	US-11-072-512-2334
5	283.5	13.9	110	7	US-11-072-512-3422
6	283	13.9	123	7	US-11-072-512-2112
7	281	13.8	943	6	US-10-821-234-1012
8	280	13.8	152	7	US-11-072-512-2372
9	276	13.6	123	6	US-10-821-234-988
10	271	13.3	128	7	US-11-124-367A-335
11	263	12.9	119	6	US-10-821-234-1044
12	261.5	12.9	128	7	US-11-072-512-2789
13	258.5	12.7	116	6	US-10-821-234-1060
14	258	12.7	129	7	US-11-072-512-2565
15	252.5	12.4	110	7	US-11-072-512-2374
16	251	12.3	776	7	US-11-114-906-24
17	251	12.3	789	7	US-11-114-906-22
18	251	12.3	863	7	US-11-114-906-32
19	251	12.3	876	7	US-11-114-906-30
20	251	12.3	889	7	US-11-114-906-20
21	251	12.3	895	7	US-11-114-906-18
22	251	12.3	976	7	US-11-114-906-28
23	251	12.3	982	7	US-11-114-906-26
24	250	12.3	132	7	US-11-234-786-573
25	249	12.2	137	7	US-11-072-512-2583

ALIGNMENTS

RESULT 1

US-11-072-512-3047
; Sequence 3047, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3047
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3047

Sequence 134, App
Sequence 134, App
Sequence 134, App
Sequence 253, App
Sequence 1178, App
Sequence 3751, App
Sequence 2183, App
Sequence 932, App
Sequence 2215, App
Sequence 1984, App
Sequence 2575, App
Sequence 3472, App
Sequence 938, App
Sequence 1059, App
Sequence 1087, App
Sequence 3765, App
Sequence 1667, App
Sequence 2630, App
Sequence 1149, App
Sequence 2129, App

Query Match 18.6%; Score 377.5; DB 7; Length 158;
Best Local Similarity 53.3%; Pred. No. 2.3e-29;
Matches 81; Conservative 7; Mismatches 21; Indels 43; Gaps 3;
QY 207 NSVTQAGVQVNRNLGSLQPLPFGKLFSCPSLLSSWDYRR-PPRLANFFVFLVEMGFTMFA 265
DB 4 HSVTQAGVQVNRNLGSLQPLPFGKLFSCPSLLSSWDYRR-PPRLANFFVFLVEMGFTMFA 53
QY 266 RLILISGCDLPASASQAGITGVSHHARLINFCLFEMESHVTVQAGVQVNRNLGSLQPL 325


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Db 54 -----FSP-PFEKESLSVTQAGVQWHDLSLQAA 81
Qy 326 PPGLKRFSCLSLPSSWDYGHLPHPANFCIFI 357
Db 82 PPGTFPSCLSLPSSWNRYRPPCPANFFVFL 113

RESULT 2
US-11-072-512-3196
; Sequence 3196, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3196
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3196

Query Match 15.9%; Score 324; DB 7; Length 189;
Best Local Similarity 39.6%; Pred. No. 4.4e-24;
Matches 99; Conservative 11; Mismatches 66; Indels 74; Gaps 10;

Qy 8 PRLECNCAISAHNRNLRPLGSSDSPASAPVAGITGMCTHARLILYFFFLVEMEFHLVGOAG 67
Db 3 PRLECSGALSAPCNFPLSGSSDSPASARVAGTTGRHQAQLI-FVFLVETGFRHIGAA 61
Qy 68 LELPTSDPSVASQASARYRTGHHARCLANFCGRNVSLMCPSPWSPKQLSTCLSLPKC 127
Db 62 LELLTSGDPPTSGASQAGITVLSH-----RTPSLF-----LRQD----- 96
Qy 128 WDYRRAAVPGLFILFLHRHRCPTLTAQDEVQWCHDSLOPSTPEIKHPPASASOVAGTKDM 187
Db 97 -----LFLPRLCSGVI-----TAHCSLNPGLS--SSPPTSDSGVAGPTRP 135
Qy 188 HHYTWLIIFIFNFLRQSLNSVTQAGVQWRNIGSLQPLPPGF-----KLFSCPSLLSSW 241
Db 136 HHHTWLIFFV-----ENGIL-PCHPGWSRTPKQSHLGLSKRW 175
Qy 242 DYR-RPPRLA 250
Db 176 DYRHEPPHLA 185

RESULT 3
US-11-072-512-2423
; Sequence 2423, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2423
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2423

Query Match 15.1%; Score 307; DB 7; Length 114;
Best Local Similarity 73.1%; Pred. No. 1.1e-22;
Matches 57; Conservative 2; Mismatches 19; Indels 0; Gaps 0;

Qy 297 FNFCLFEMESHSTQAGVQWPNLGSLOPLPPLKRFSCLSLPSSWDYGHLPHPANFCIFI 356
Db 6 FFFFFEABRPVQAGVQWHLNLSRQPLPFRFRFSCLSLLSSWDYRHPHPANFCIFI 65
Qy 357 IRGGVSPYLSGWSQTDDL 374
Db 66 SRDGVSPCWGWSRTDDL 83

RESULT 4
US-11-072-512-2334
; Sequence 2334, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
```

```
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2334
; LENGTH: 156
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2334

Query Match      14.8%; Score 301; DB 7; Length 156;
Best Local Similarity 50.6%; Pred. No. 5.9e-22;
Matches 78; Conservative 9; Mismatches 35; Indels 32; Gaps 6;

QY 172 KPPASASQAGVTKMHHYTWLIFIFNLRQSLNSVTQAGVQWPNLGSLOPLPFGFKL 231
   : ||||| : : : : : : : : : : : : : : : : : : : : : : : : :
Db 12 RPPASASQAGIIGVSHRAQPLSFLWSFV-----LVAQAGQWEDLSSLOPLPFGFKR 66

QY 232 FSCPSLLSSWDYRR-PPRLANPFVFLVEMGFTWF--ARLILSGPCDLPASASQAGITG 288
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 67 FSWFSLSSWDYRRNAPPHLAT-FVFLVEMGFLVHQASLTLPSTD-DPPASASQAGITG 124

QY 289 VSHHARLIENFCLFEMESHVSVTQAGVQWPNLGS 322
   |||||
Db 125 VSHRA-----WKPSSL 136
```

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RESULT 5
US-11-072-512-3422
; Sequence 3422, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3422
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3422
```

```
Query Match      13.9%; Score 283.5; DB 7; Length 110;
Best Local Similarity 63.0%; Pred. No. 1.9e-20;
Matches 58; Conservative 3; Mismatches 22; Indels 9; Gaps 2;

QY 292 HARLIFF-----NECL--FEMESHVSVTQAGVQWPNLGSLOPLPFGFKRPSCLSLPSSWD 342
   || :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db 4 HAPIVFLLLFFVVFCLFVFETESRSVAQAQVQWNLGSLHPPPPGPKRPPCPSPSSWD 63

QY 343 YGHLPPHPANFCIFIRGVSPYLSGWSQTPDL 374
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 64 YRPPPHLANFCIFGRHEVSPYWPGRTPGL 95

RESULT 6
US-11-072-512-2112
; Sequence 2112, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2112
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2112

Query Match      13.9%; Score 283; DB 7; Length 123;
Best Local Similarity 68.4%; Pred. No. 2.5e-20;
Matches 54; Conservative 5; Mismatches 20; Indels 0; Gaps 0;

QY 296 IFNCLFEMESHVSVTQAGVQWPNLGSLOPLPFGFKRPSCLSLPSSWDYGHLPHPANFCI 355
   :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db 18 LFIVLFETESCSVTQAGVQWCDLSSLOPLPFGFKQFSCLSLSSWDYRCPPHPANFCI 77

QY 356 FIRGVSPYLSGWSQTPDL 374
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 78 FSRDGLPCWPSWRTPD 96

RESULT 7
US-10-821-234-1012
; Sequence 1012, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
```

;; APPLICANT: Tang, Y. Tom
;; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;; FILE REFERENCE: 821A
;; CURRENT APPLICATION NUMBER: US/10/821.234
;; CURRENT FILING DATE: 2004-04-07
;; PRIOR APPLICATION NUMBER: US 60/462,047
;; PRIOR FILING DATE: 2003-04-07
;; NUMBER OF SEQ ID NOS: 1704
;; SOFTWARE: pt_seq_genes Version 1.0
;; SEQ ID NO 1012
;; LENGTH: 943
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(943)
;; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1012

Query Match 13.8%; Score 281; DB 6; Length 943;
Best Local Similarity 45.4%; Pred. No. 4.3e-19;
Matches 79; Conservative 13; Mismatches 46; Indels 36; Gaps 9;
Qy 201 FLROSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSSWDYRR-PERLANFFVEL--- 256
Db 335 FMKQS-RSVSGVQVQWHDGLQLQPPPGFKRFSCLSLPSSWDYRRGPPCPANFYFALSP 393
Qy 257 -VEMGFMTFARLIL-ISGFCPLPASASQAGITGVSHHARLIFNCLFEMESHSVTQAGV 314
Db 394 RLECSGITADCNLHLLGSSDSPASAPVAGITGVGHVQLIFIF-LVETGFHHVQAG- 451
Qy 315 QWPNLGSLOPL-----PP-----GLKRFSCLSLPSSWDYGHLPHPANFCIFI 357
Db 452 -----LEPLTSDPPTASQASQAGITGVSHHARPSX-----PLQVCFLI 489

RESULT 8
US-11-072-512-2372
; Sequence 2372, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUOI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YUKI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2372
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-072-512-2372

Query Match 13.8%; Score 280; DB 7; Length 152;
Best Local Similarity 44.6%; Pred. No. 6.2e-20;
Matches 70; Conservative 12; Mismatches 51; Indels 24; Gaps 5;
Qy 231 LFSCPSLL-SSWDYRRPP-RLANFFVFLVBMG-----FTMFARLILISGFCPLPASAS 281
Db 8 LVSSVFLPKCWDRHEPLRPASLELLSLAIGNRSKWNSSPLFL-----ASPQ 55
Qy 282 QSAGITGVSHHARLIFNFC---LFEMESHSVTQAGVQWPNLGSLOPLPGFKRFSCLSLP 338
Db 56 IRPRLWRASEVERLLCVFVFVFRQGSQSVTQAGVQWRDLSSLQPPSPGFKRFSCLSLP 115
Qy 339 SSWDYGHLPHPANFCIFIRGGVSPVLSGWSQTPDLR 375
Db 116 SSWDYRHLPPHLASFICFISRDNVSQCCPGWSRTPGFK 152

RESULT 9

US-10-821-234-988
; Sequence 988, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 988
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(123)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-988

Query Match 13.6%; Score 276; DB 6; Length 123;
Best Local Similarity 72.4%; Pred. No. 1.2e-19;
Matches 63; Conservative 3; Mismatches 15; Indels 6; Gaps 2;
Qy 3 FSL-----LLPRLECNCAISAHNRRLRPLGSSDSPASAPVAGITGMCTHARLLLYFFLVE 57
Db 22 FSLRQSLTLPRLECNCAISAHNRRLRPLGSSDSPASAPVAGITGAHHQOLI-FVFLAE 80
Qy 58 MEFLHVGAGLELPTSDPPSVSASQSA 84
Db 81 TGFRRVGOAGFELLTSGDPPASASQTA 107

RESULT 10

US-11-124-367A-335
; Sequence 335, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07

```
; PRIOR APPLICATION NUMBER: US 60/592,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 335
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-367A-335

Query Match      13.3%; Score 271; DB 7; Length 128;
Best Local Similarity 60.2%; Pred. No. 3.8e-19;
Matches 56; Conservative 9; Mismatches 22; Indels 6; Gaps 3;

QY 286 ITGVSHHARLIFNFCLEFEMESHVTV---QAG-VQVWPNLGSLOPLPGLKRFSCLSLPSSW 341
DB 23 ISTVAFEAGLL--ECTPELRIHRVSLYRQAGVVQWQDLGSLQSPFPFGFSCLSLPSSW 80

QY 342 DYGHLPHPANFCIFIRGGVSPYLSGWSOTPD 374
DB 81 DYSYTPHPANFCIFSRDGVSPCCPGWSRSPDL 113

RESULT 11
US-10-821-234-1044
; Sequence 1044, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1044
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1044

Query Match      12.9%; Score 263; DB 6; Length 119;
Best Local Similarity 76.6%; Pred. No. 2.1e-18;
Matches 49; Conservative 1; Mismatches 14; Indels 0; Gaps 0;

QY 311 QAGVWPNLGSLOPLPGLKRFSCLSLPSSWDYHLPHPANFCIFIRGGVSPYLSGWSQ 370
DB 8 QAGVWHCLGSLQPPPPGKRFSCLSLPSSWDYRHVPPCPANFCIFSRGEVSAACWPGWSX 67

QY 371 TPD 374
DB 68 TPD 71

RESULT 12
US-11-072-512-2789
; Sequence 2789, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUUI
```

```
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2789
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2789

Query Match      12.9%; Score 261.5; DB 7; Length 128;
Best Local Similarity 58.7%; Pred. No. 3.1e-18;
Matches 61; Conservative 5; Mismatches 37; Indels 1; Gaps 1;

QY 6 LLPRLECGAISAHRNLRPLPGSSDSPASPVAGITGCTHARLILYFVLVEMEFHVQ 65
DB 26 LSPRLECNDMISAHCNHLGLGSSDSSASVSRVAGITGACHARLI-FVFLVEMRFRHVQ 84

QY 66 AGLELPTSDPSVSASQSAARYRTGHHARLCLANFCGRNRVSLMC 109
DB 85 AGLKLLTSSDPPASASQAGITGMSHCAQPIVVLFLKNRGRVC 128

RESULT 13
US-10-821-234-1060
; Sequence 1060, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1060
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(116)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1060

Query Match      12.7%; Score 258.5; DB 6; Length 116;
Best Local Similarity 62.2%; Pred. No. 5.5e-18;
```

